

FIG. 1

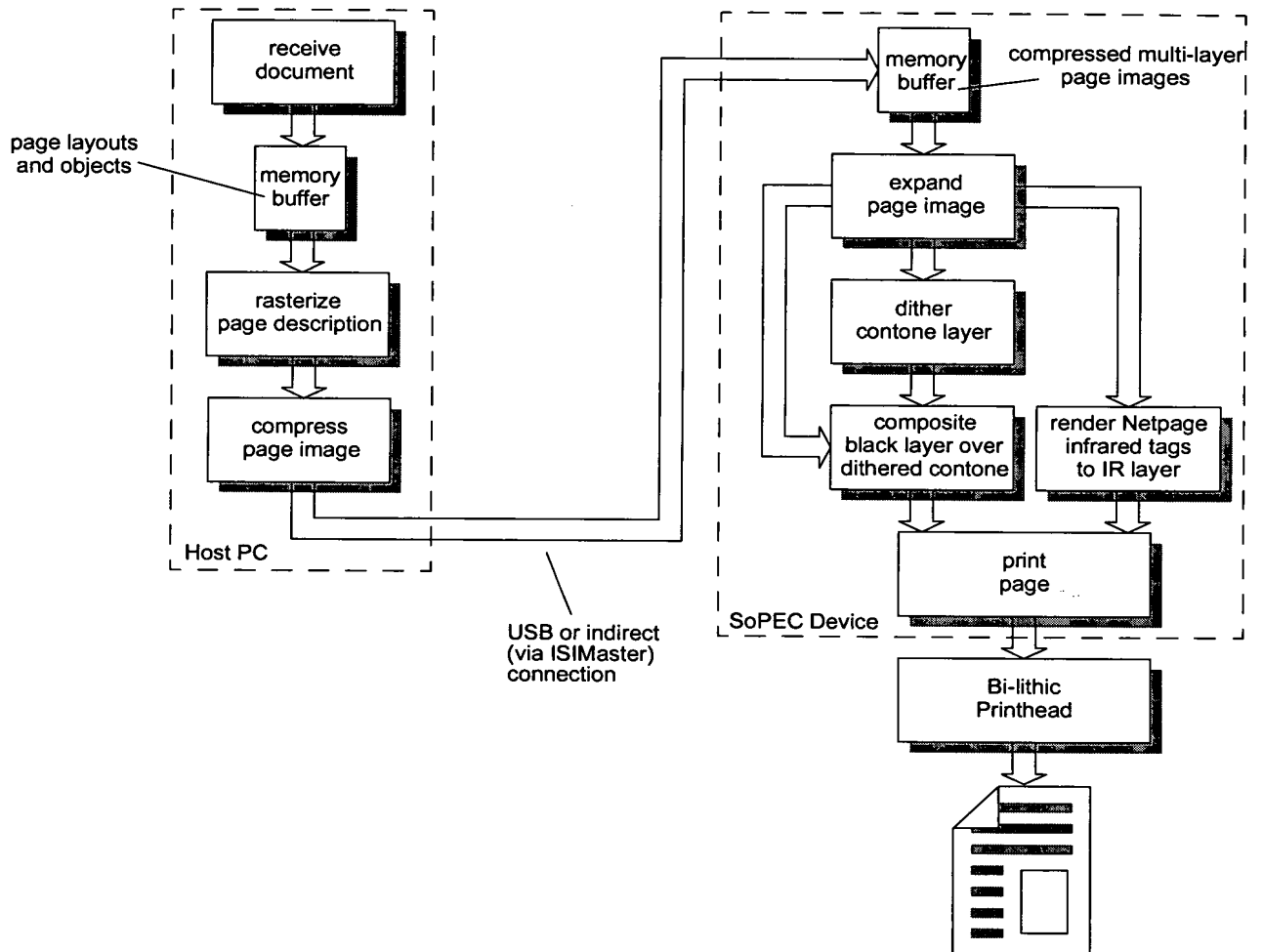


FIG. 2

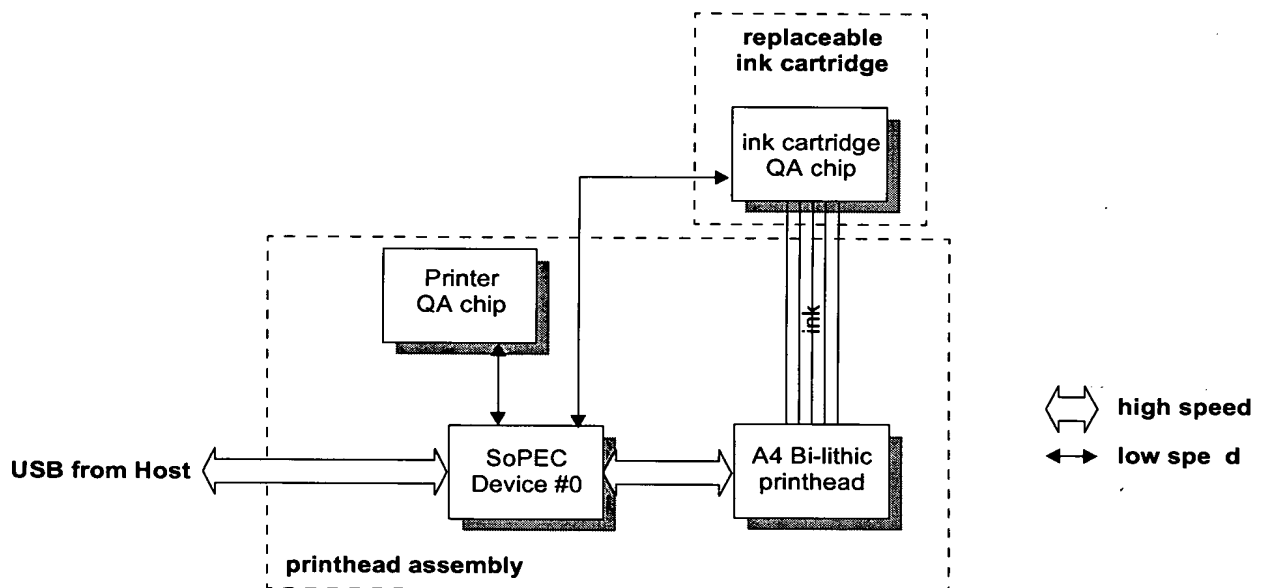


FIG. 3

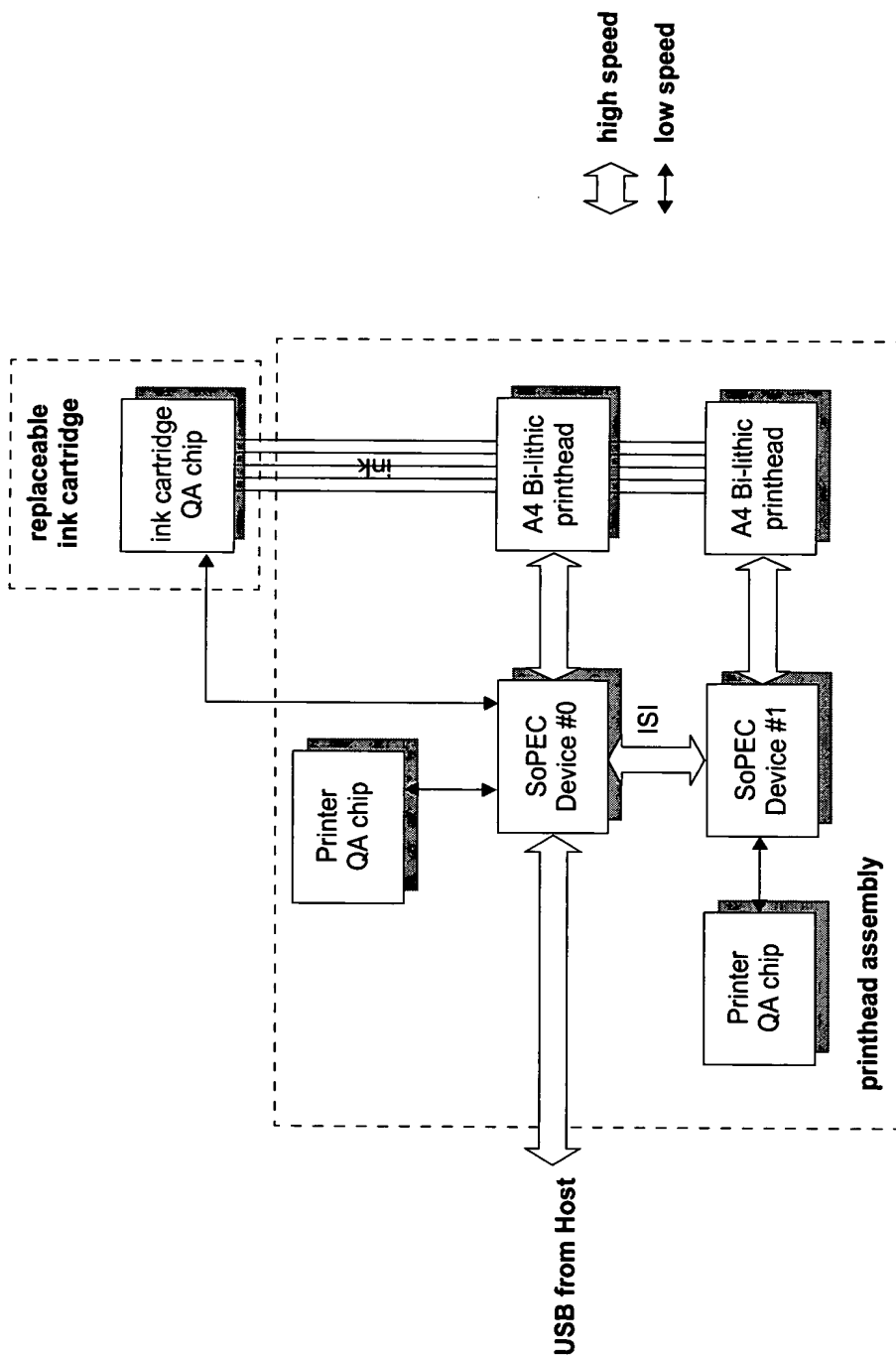


FIG. 4

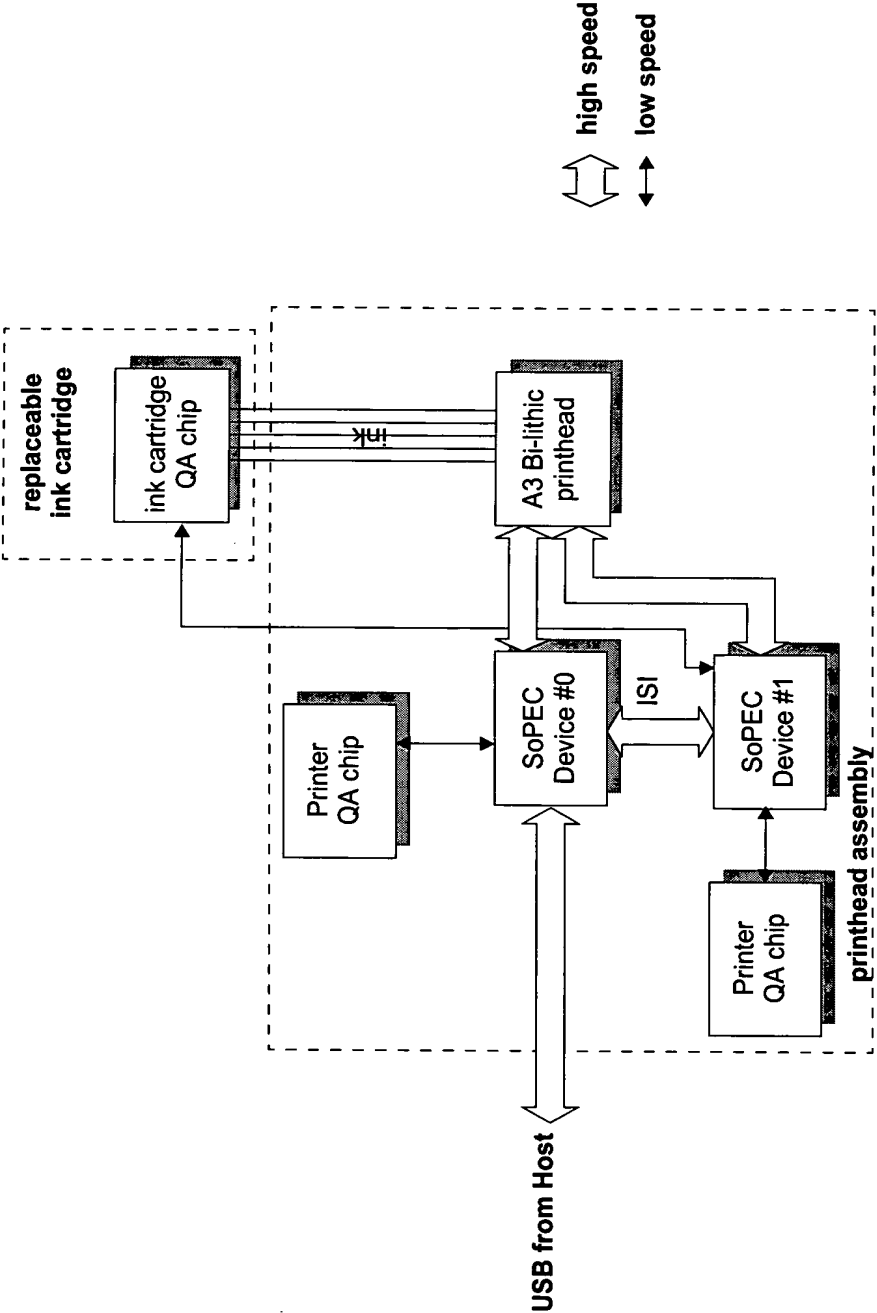


FIG. 5

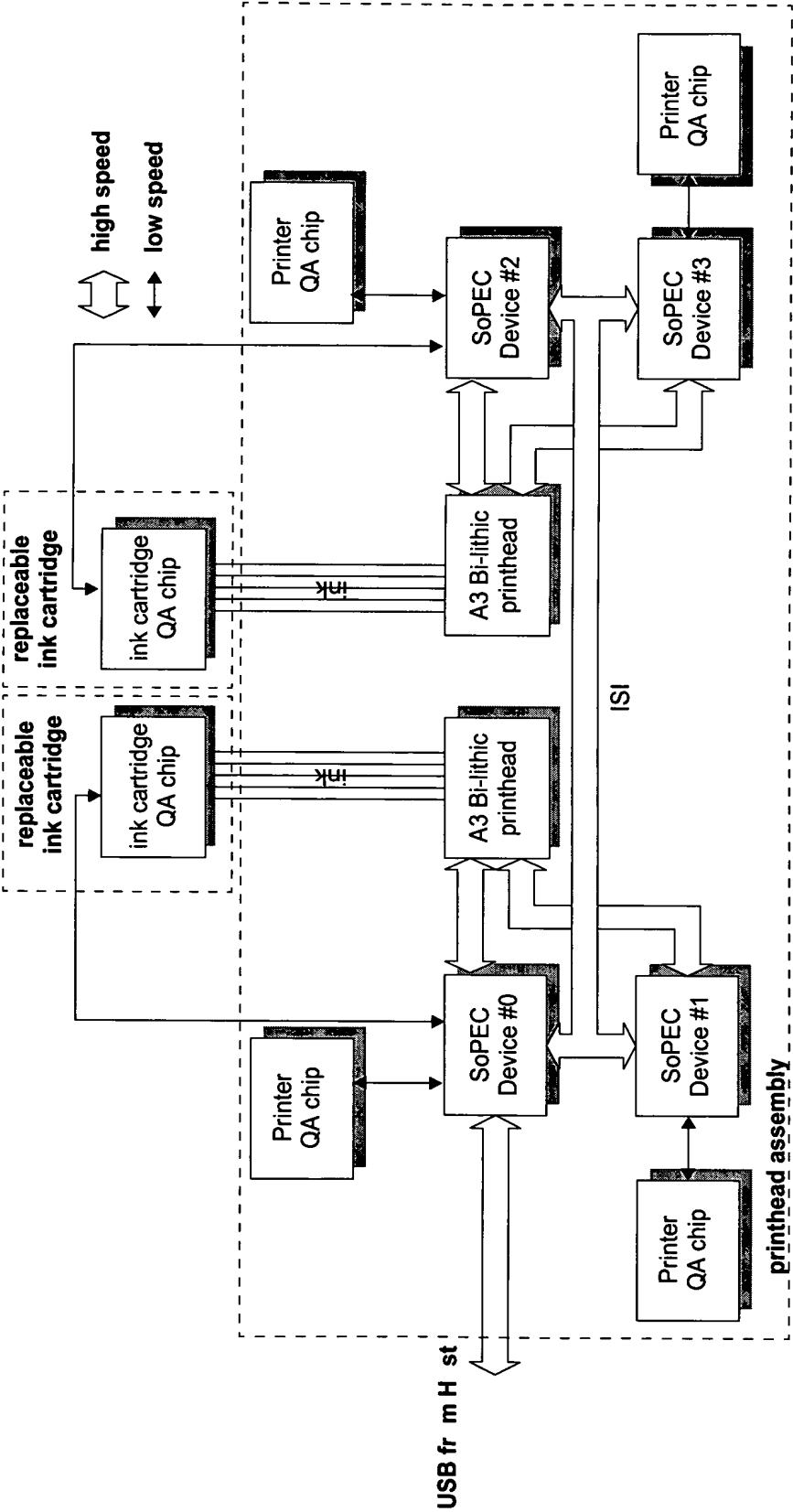


FIG. 6

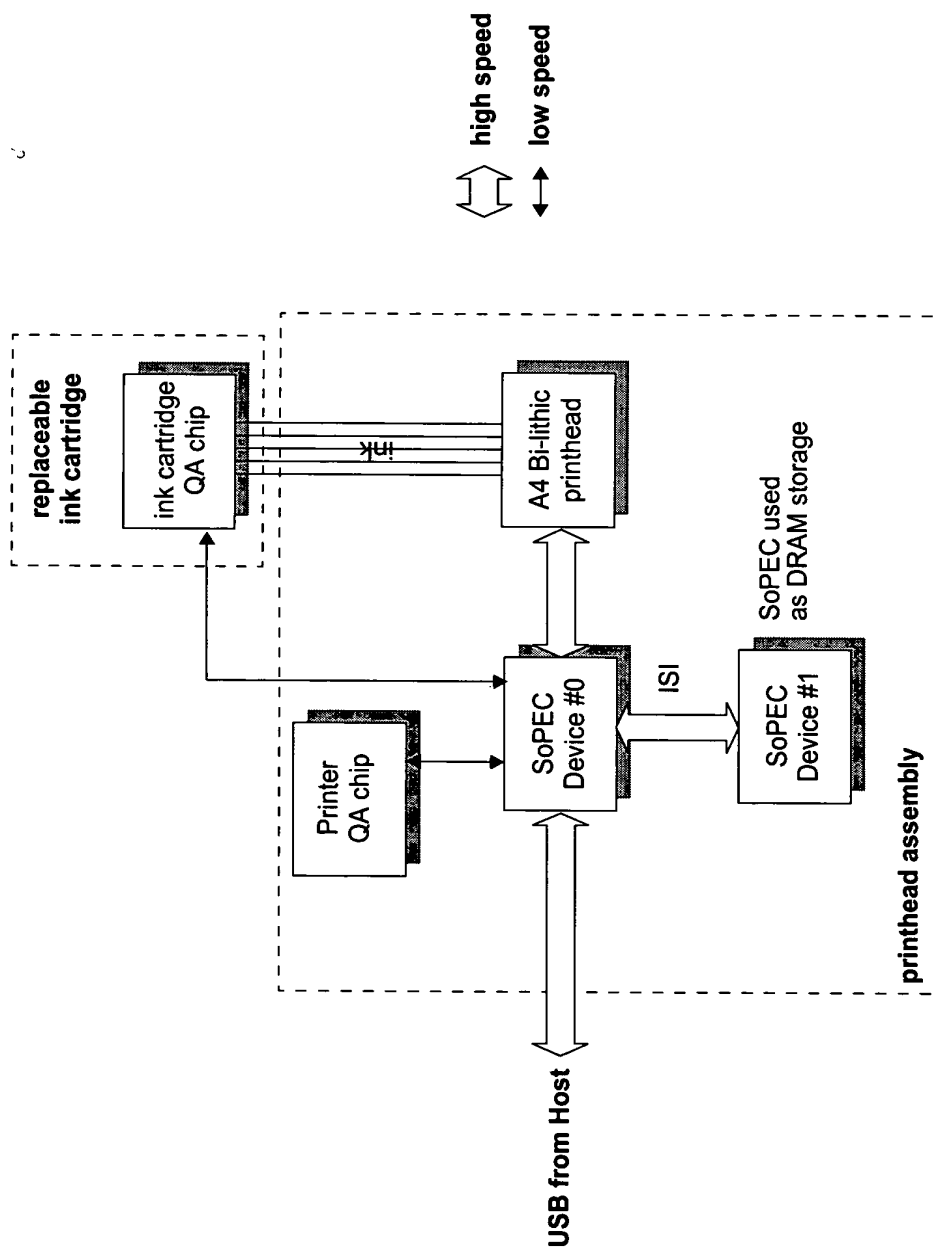


FIG. 7

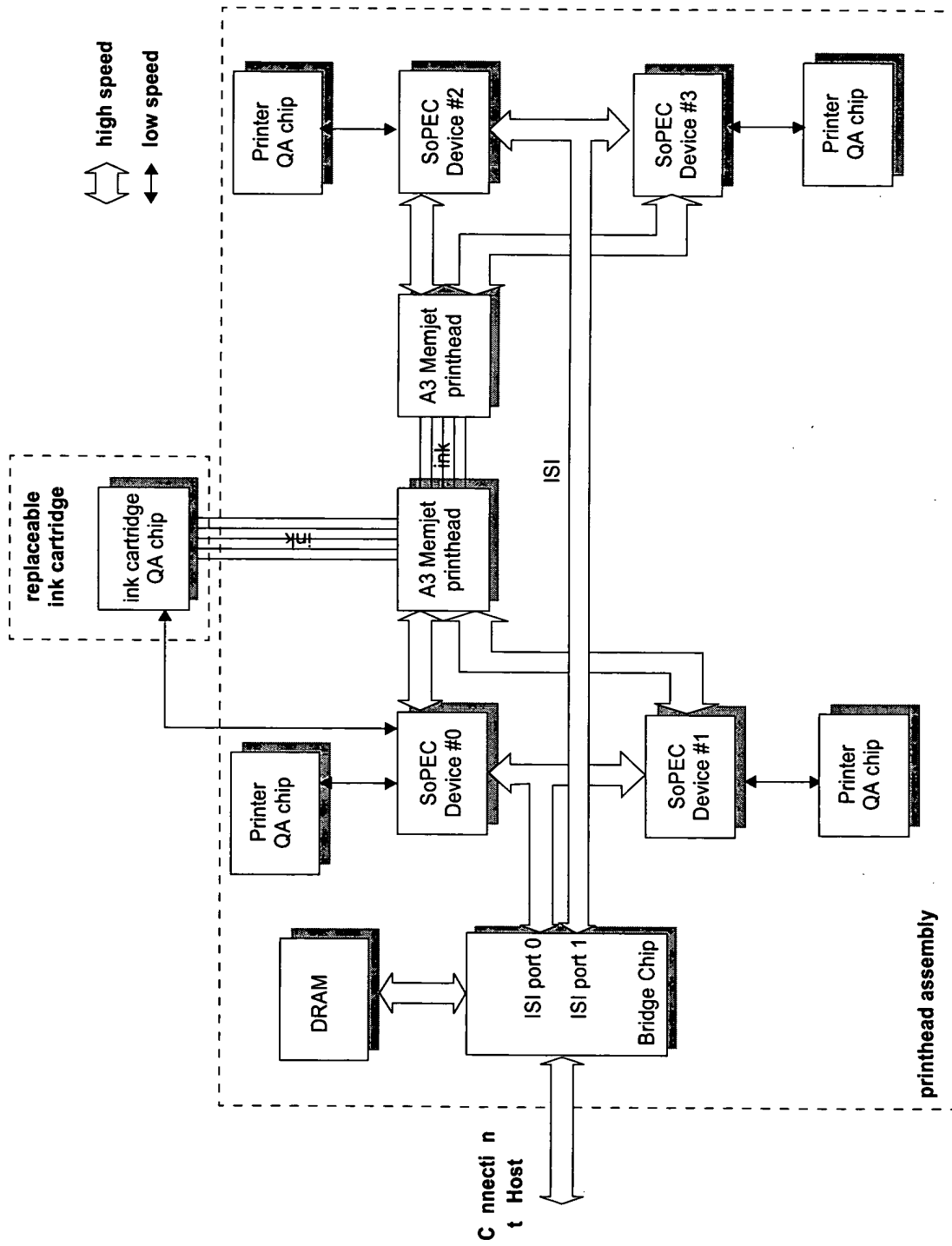


FIG. 8

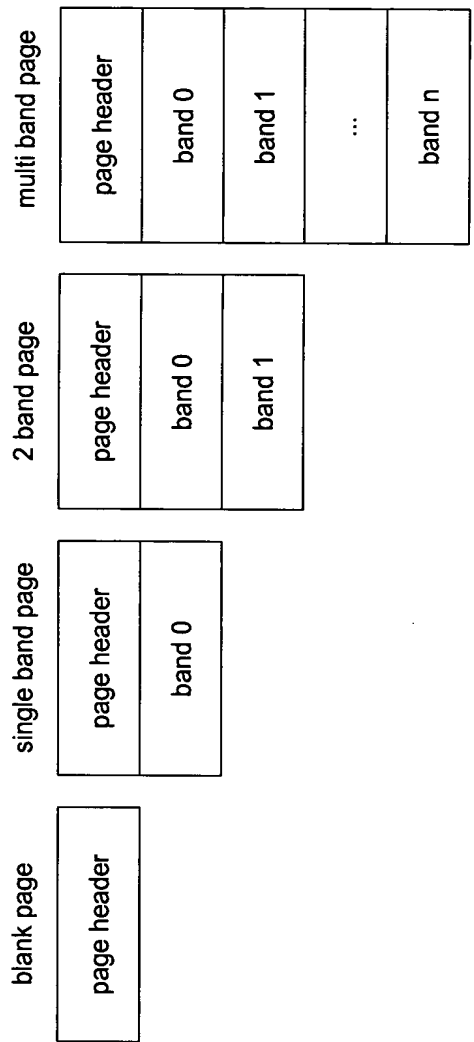


FIG. 9

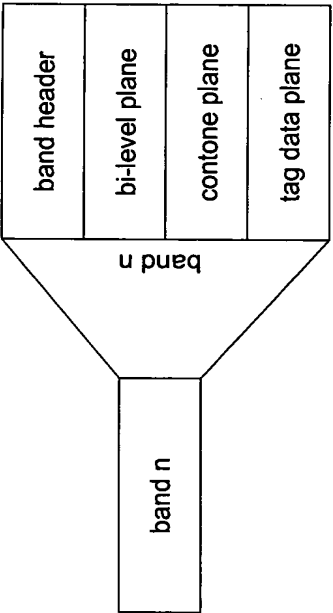


FIG. 10

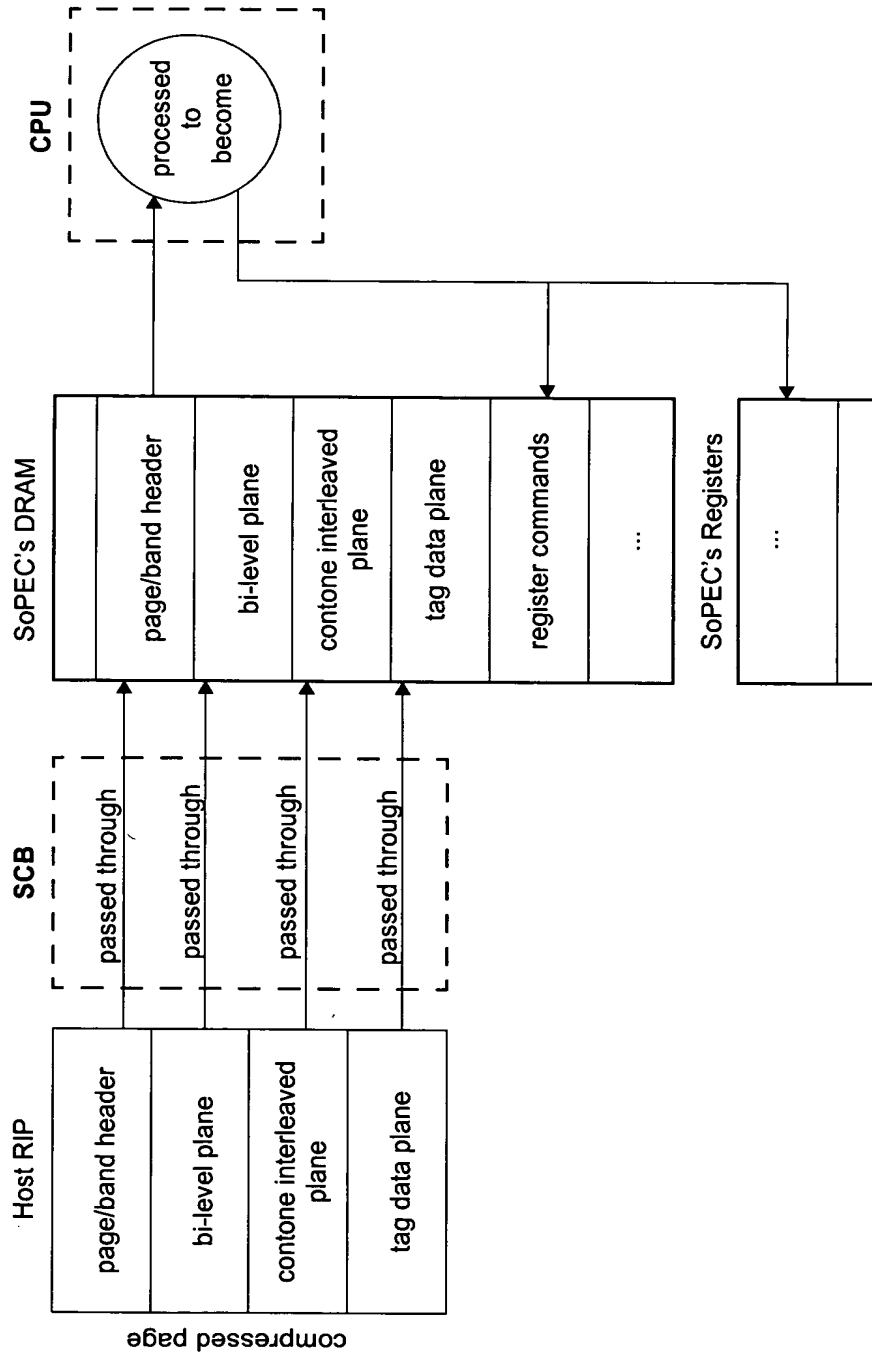


FIG. 11

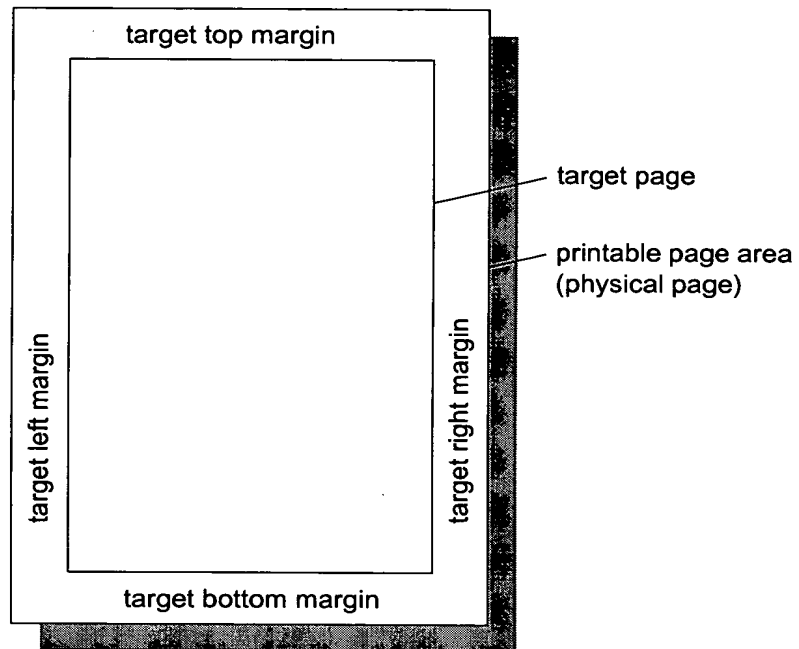


FIG. 12

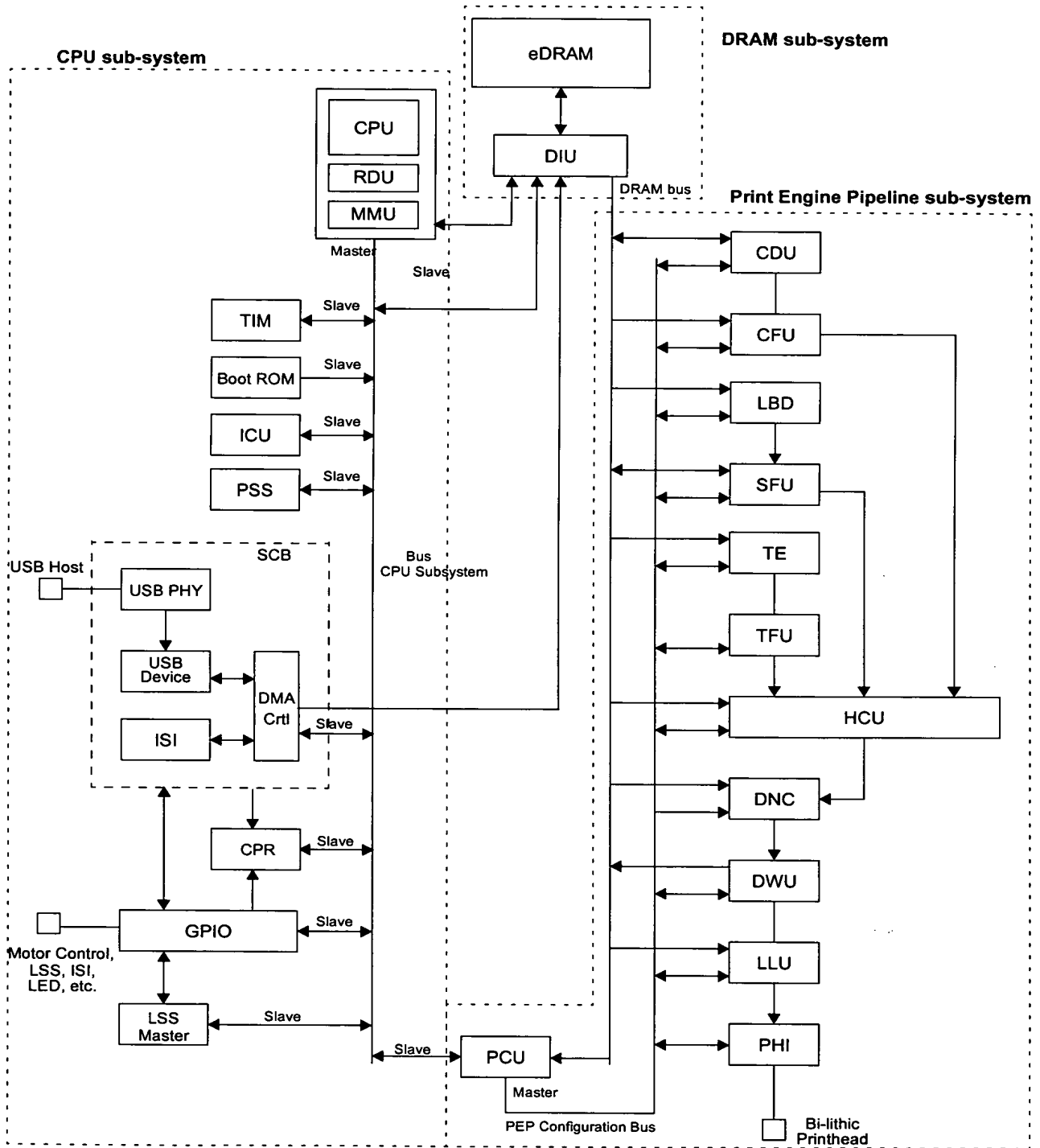


FIG. 13

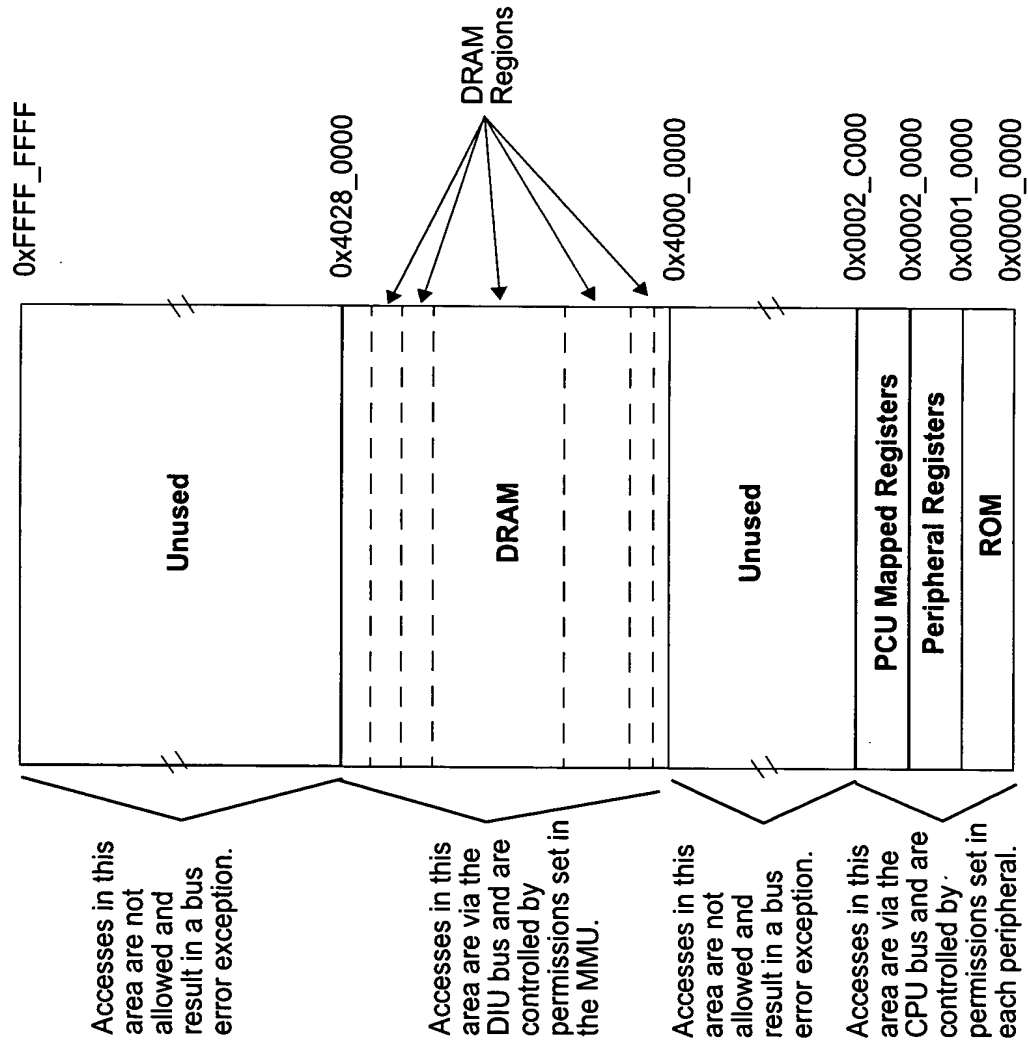


FIG. 14

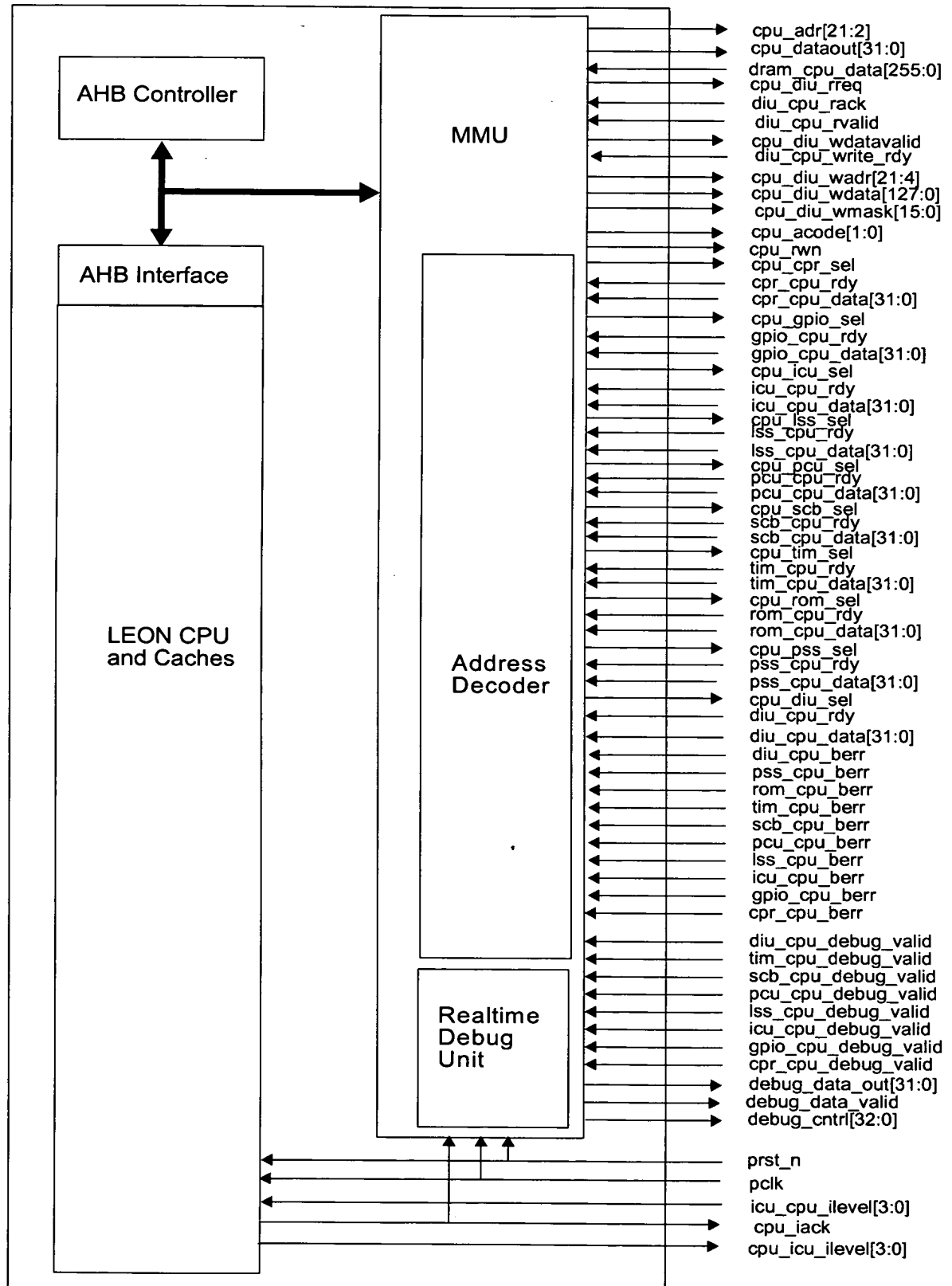


FIG. 15

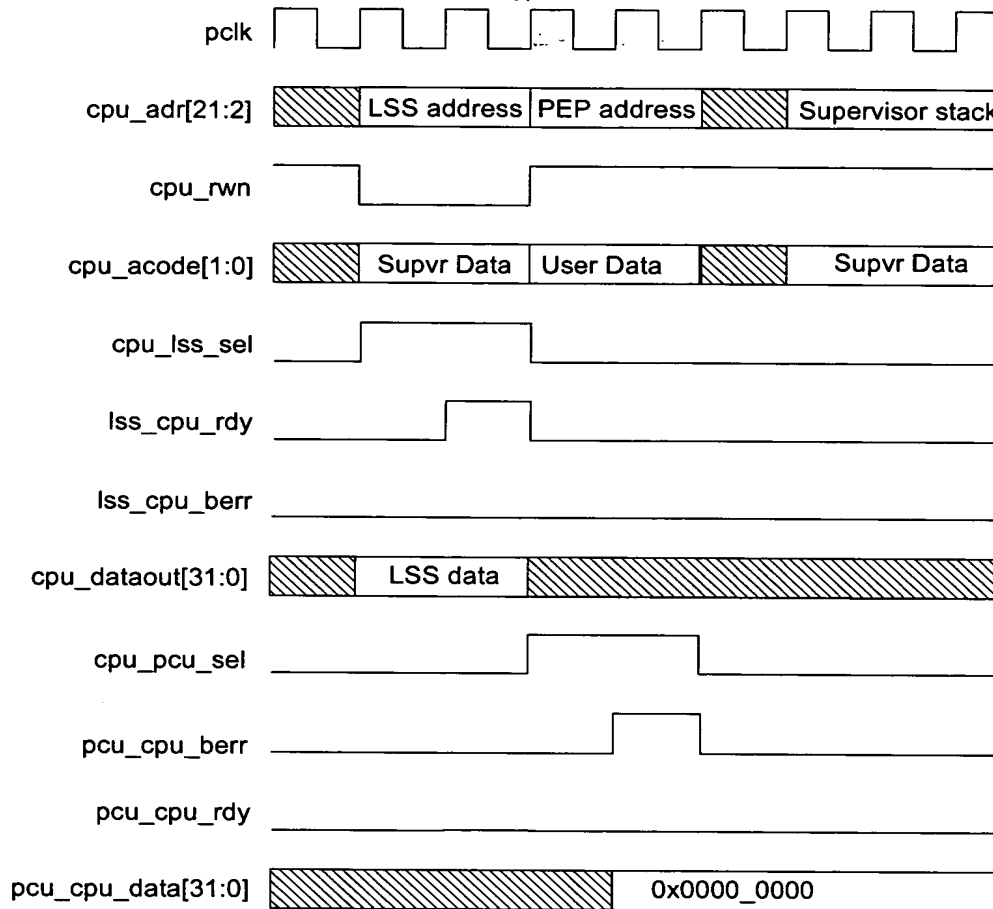


FIG. 16

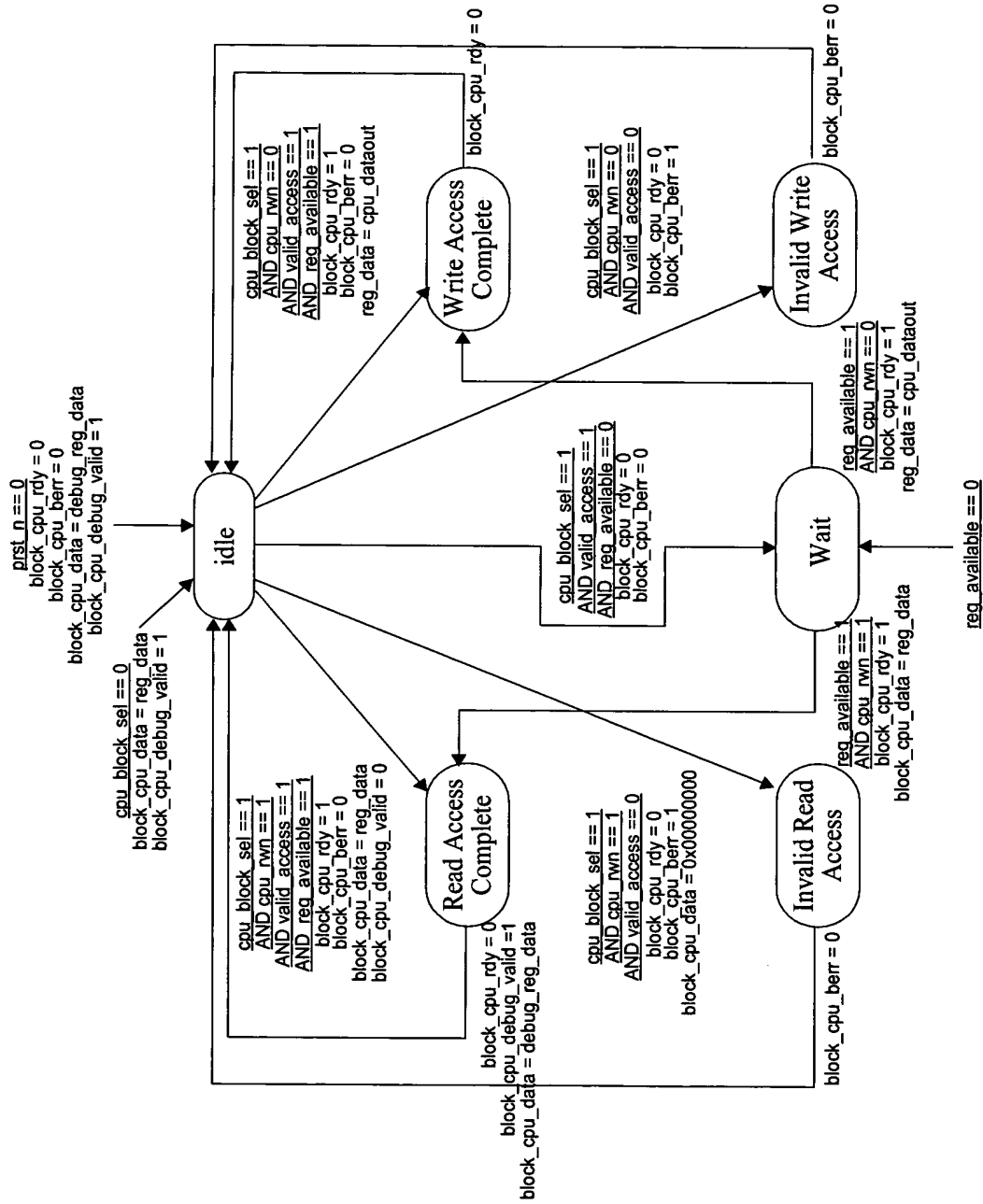


FIG. 17

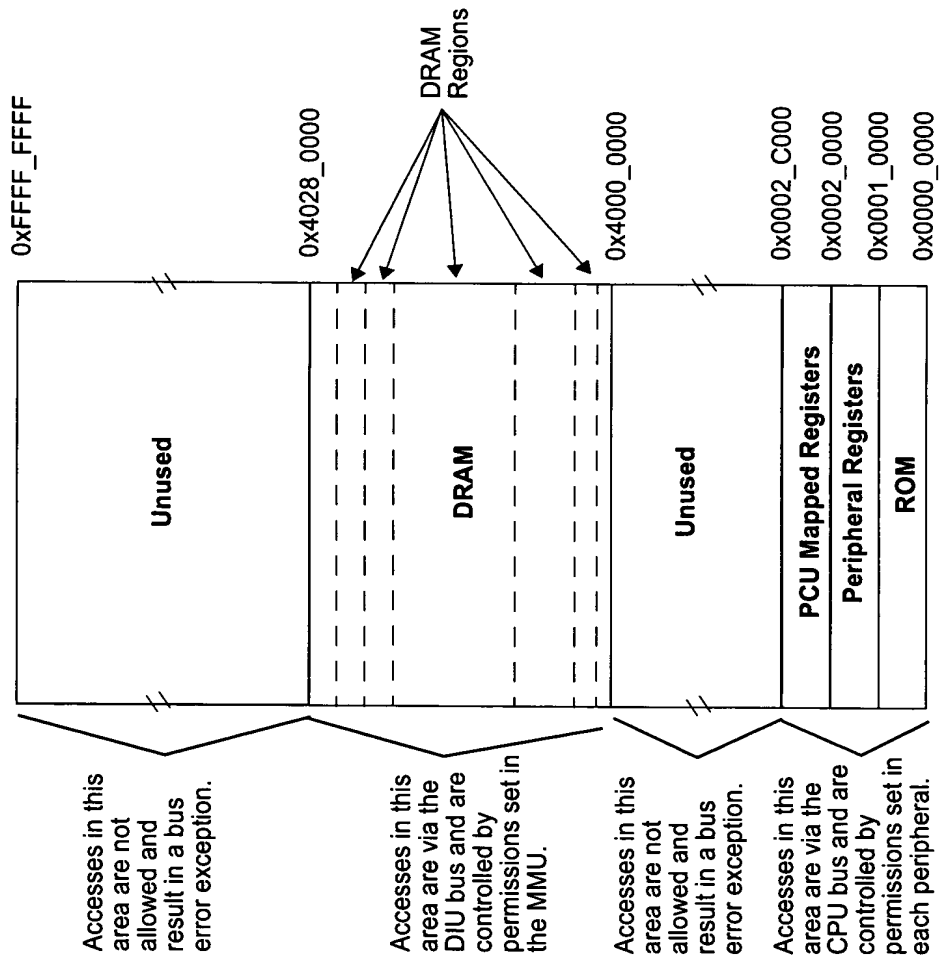


FIG. 18

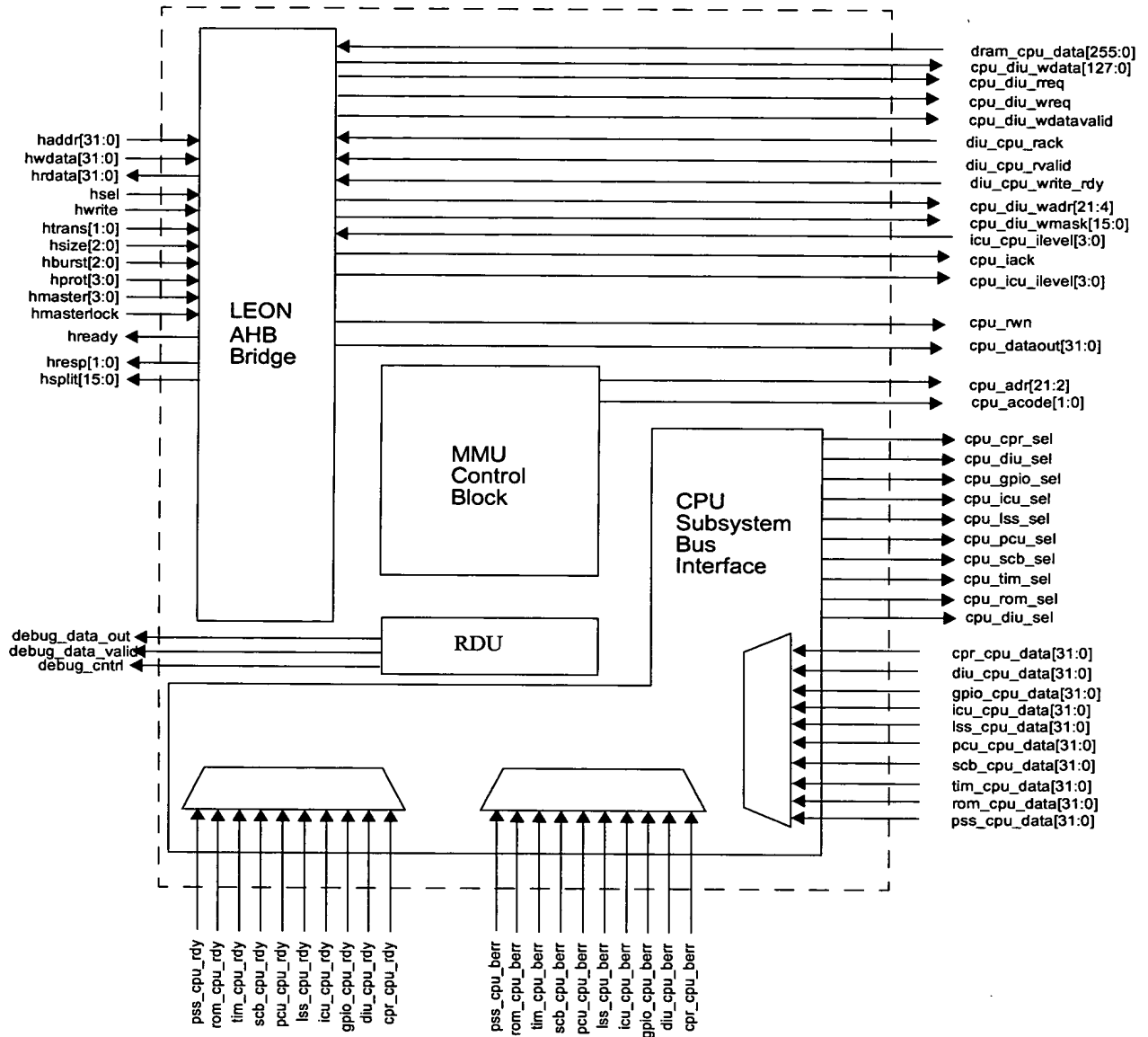


FIG. 19

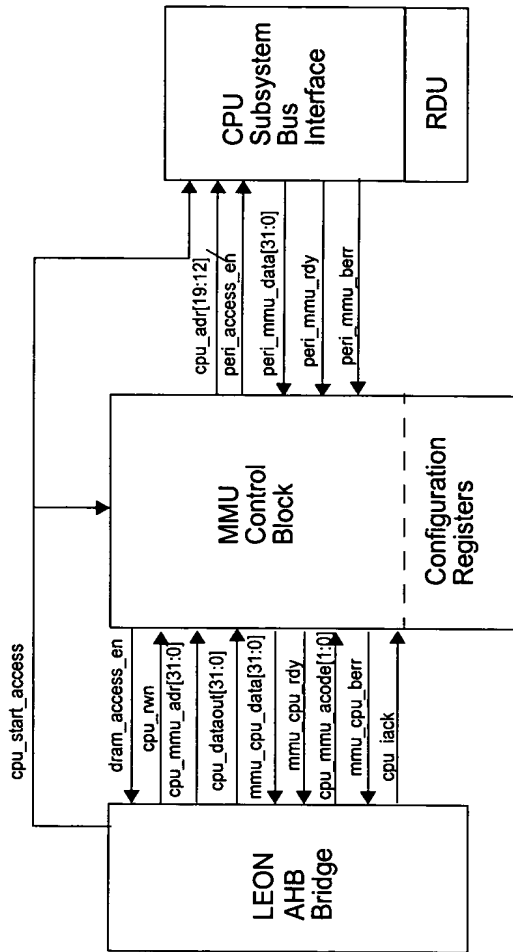


FIG. 20

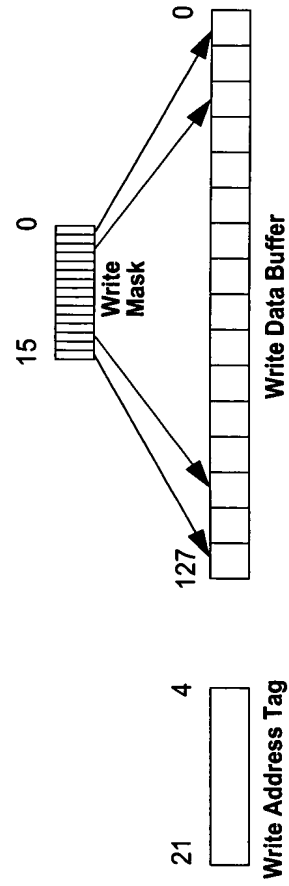


FIG. 21

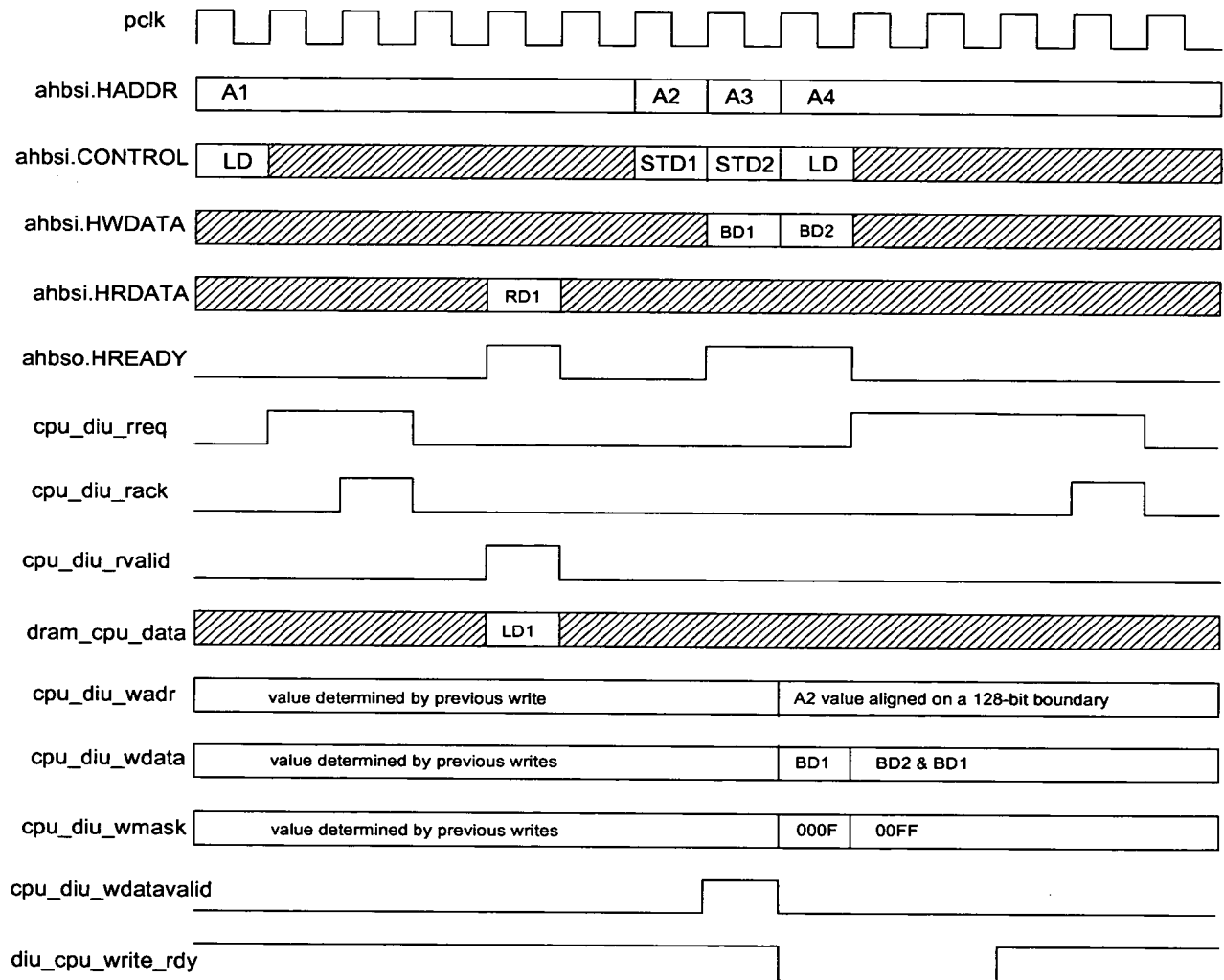


FIG. 22

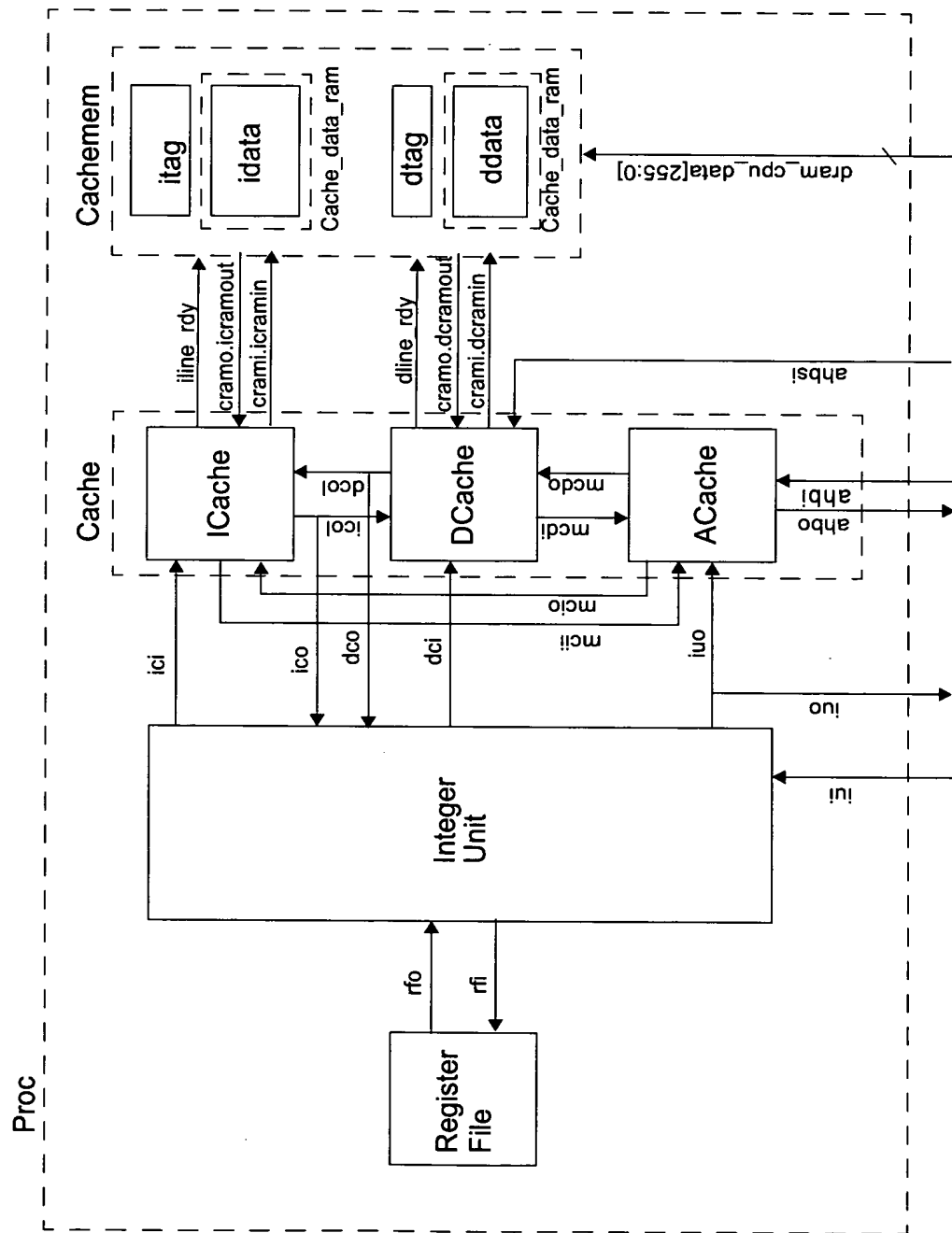


FIG. 23

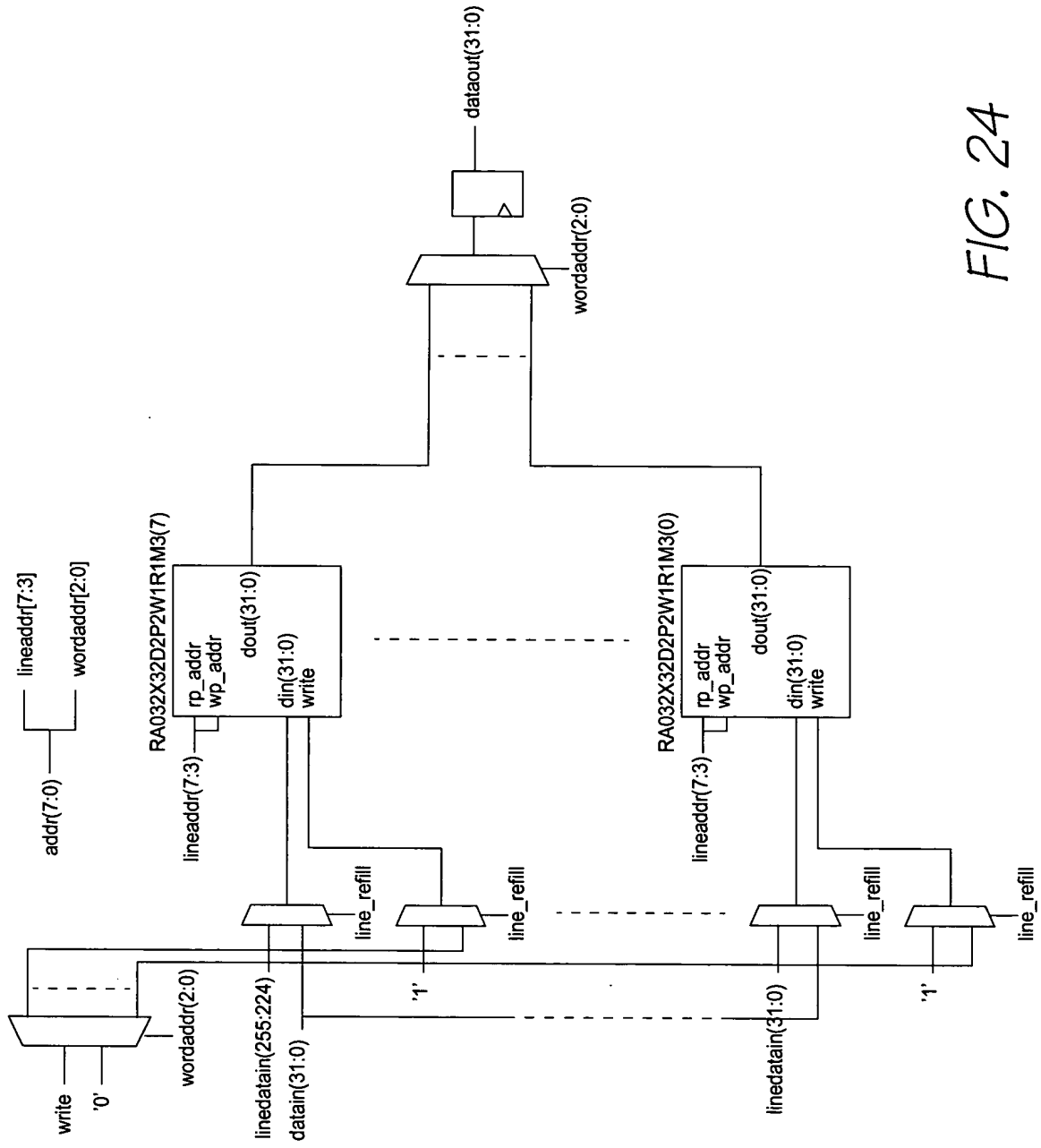


FIG. 24

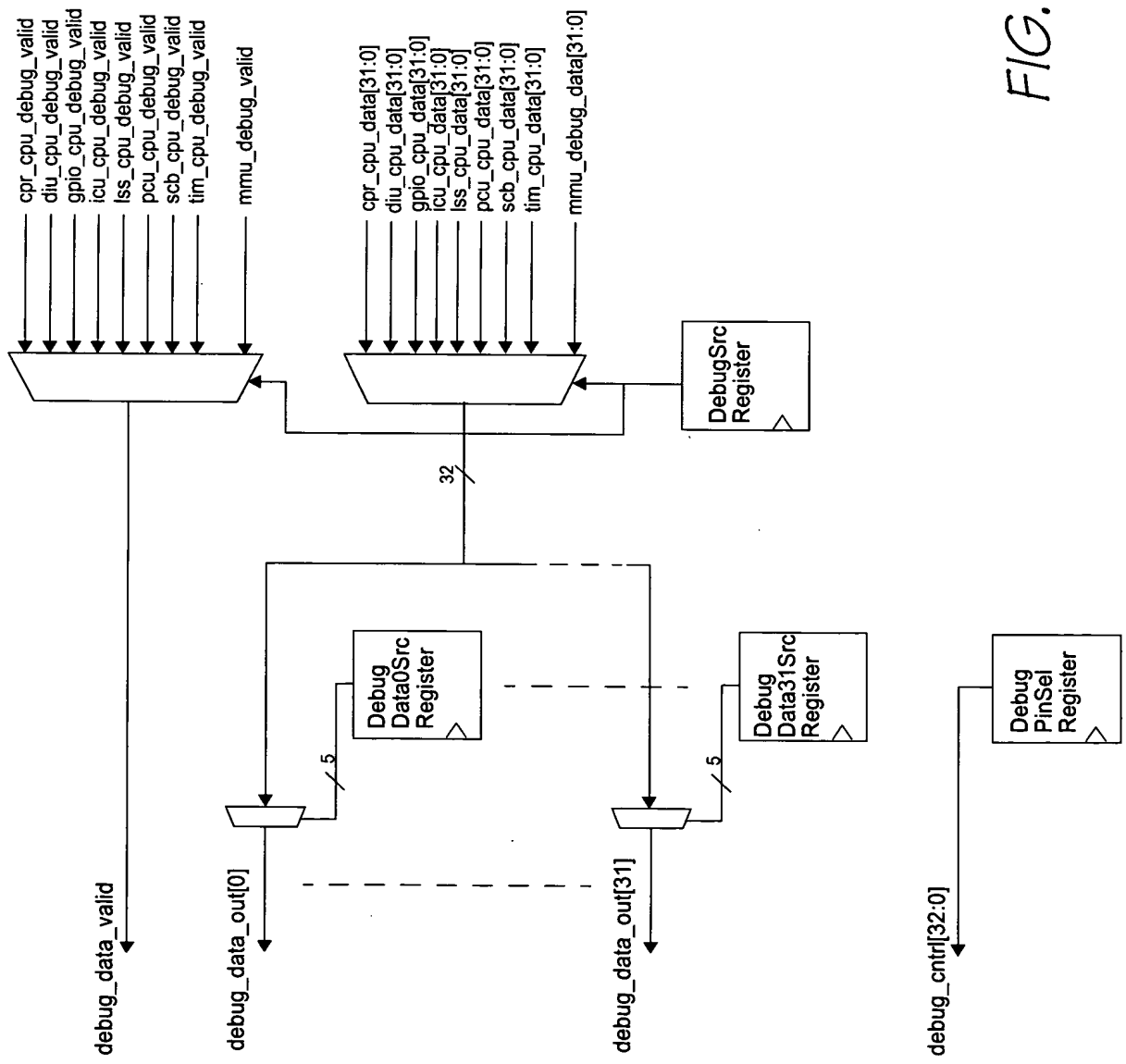


FIG. 25

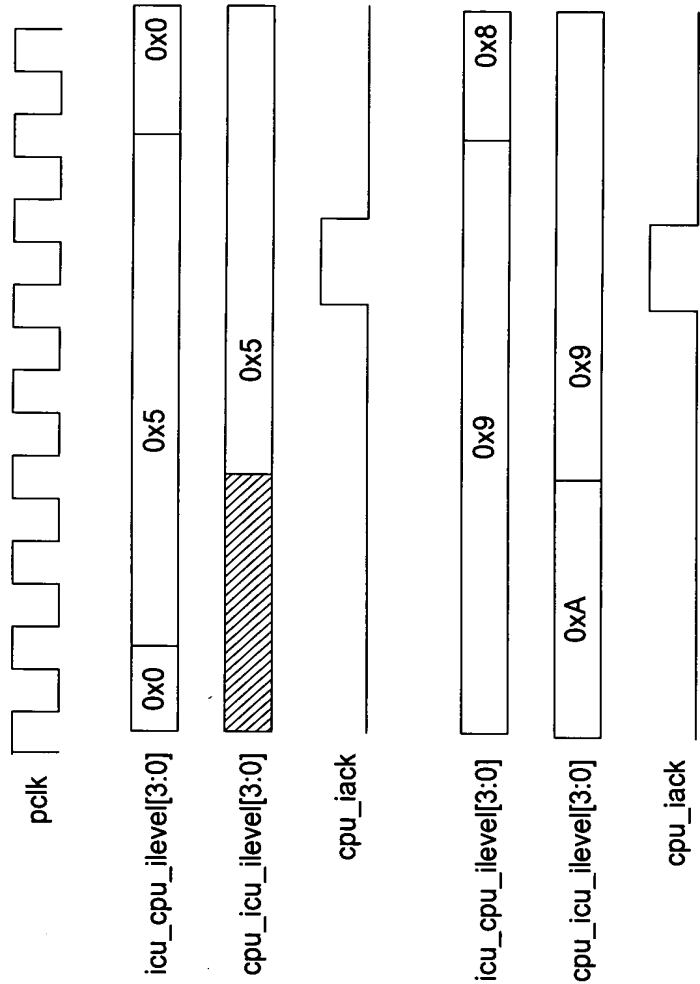


FIG. 26

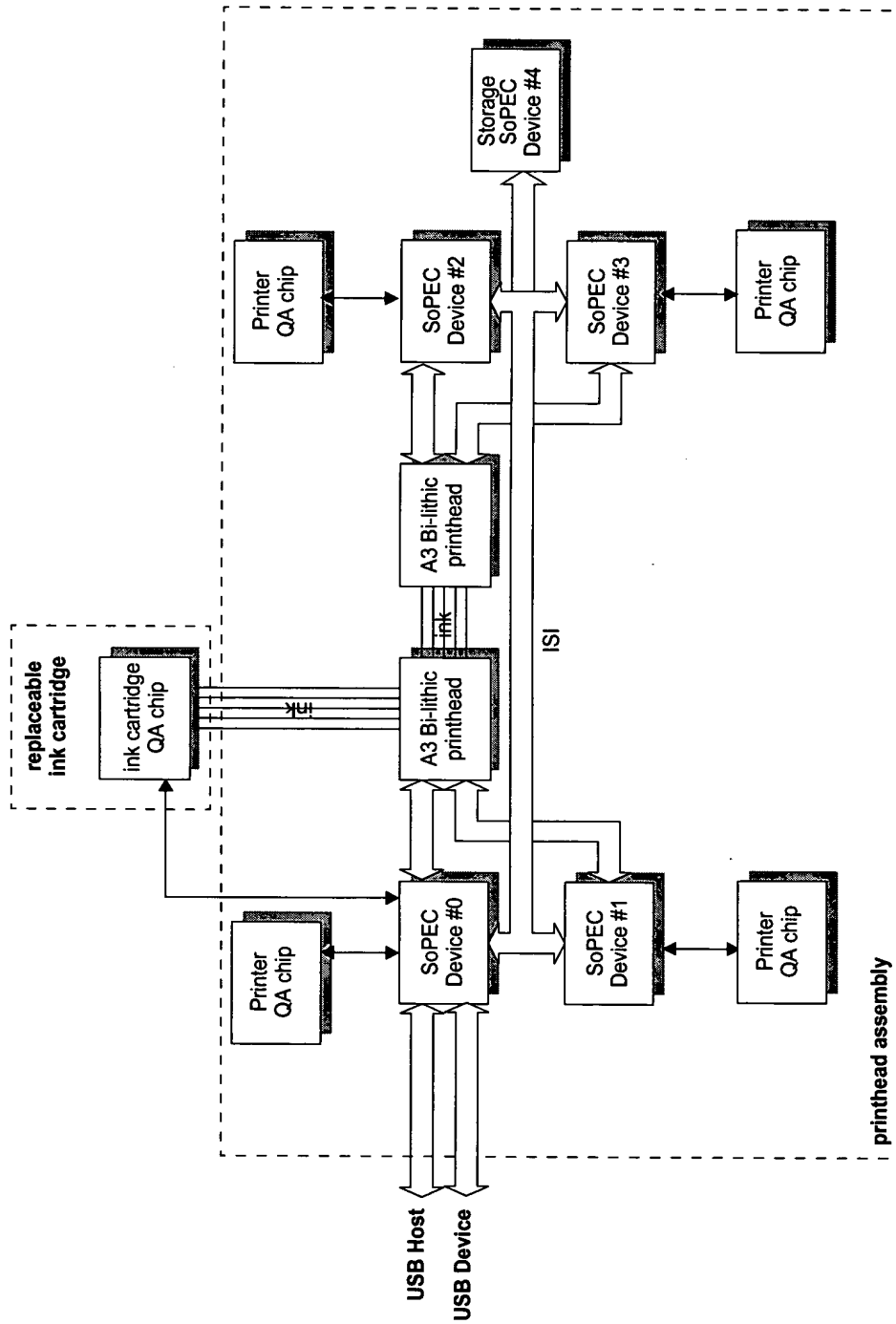


FIG. 27

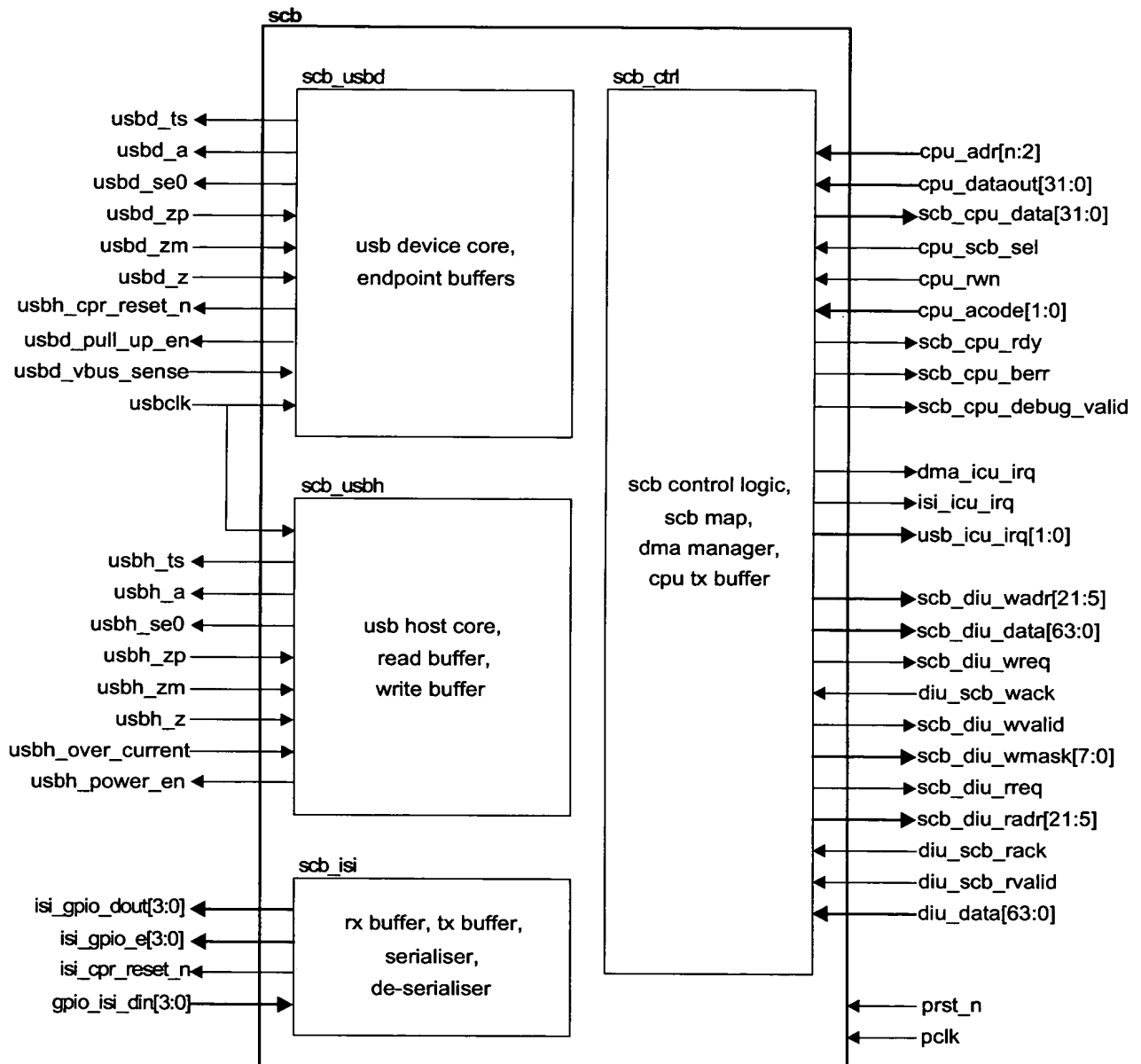


FIG. 28

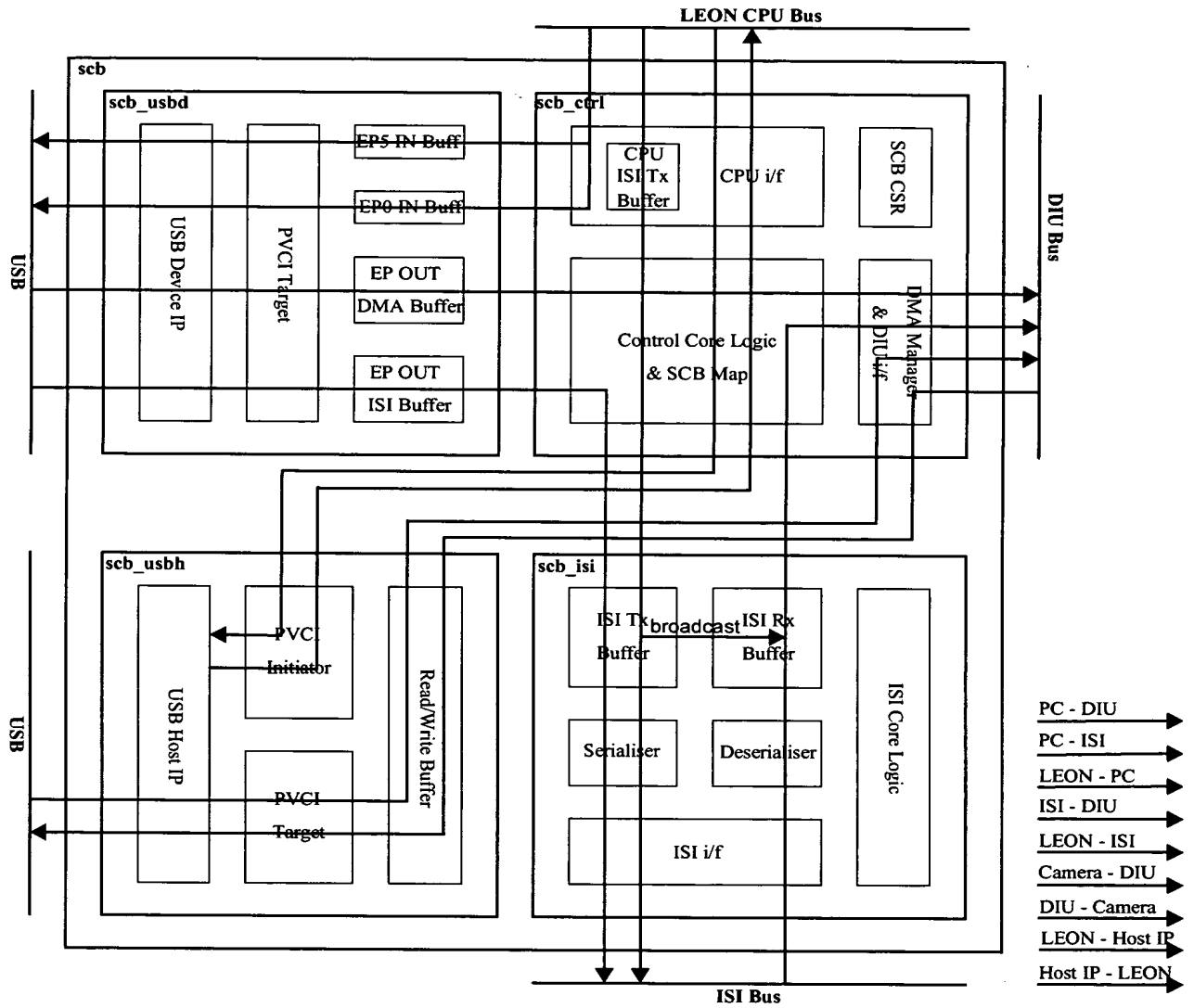


FIG. 29

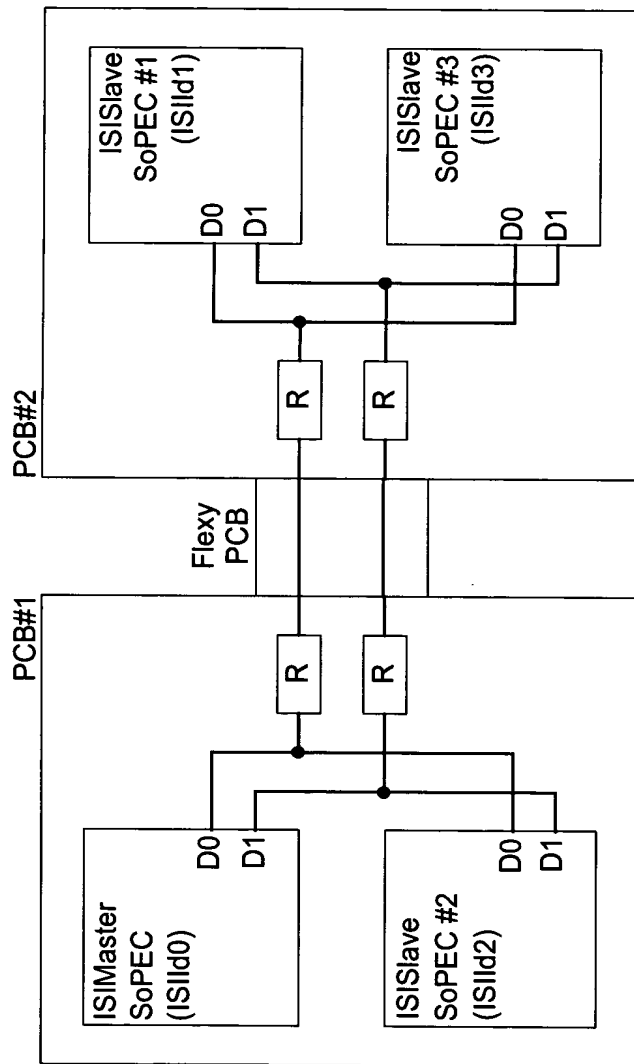


FIG. 30

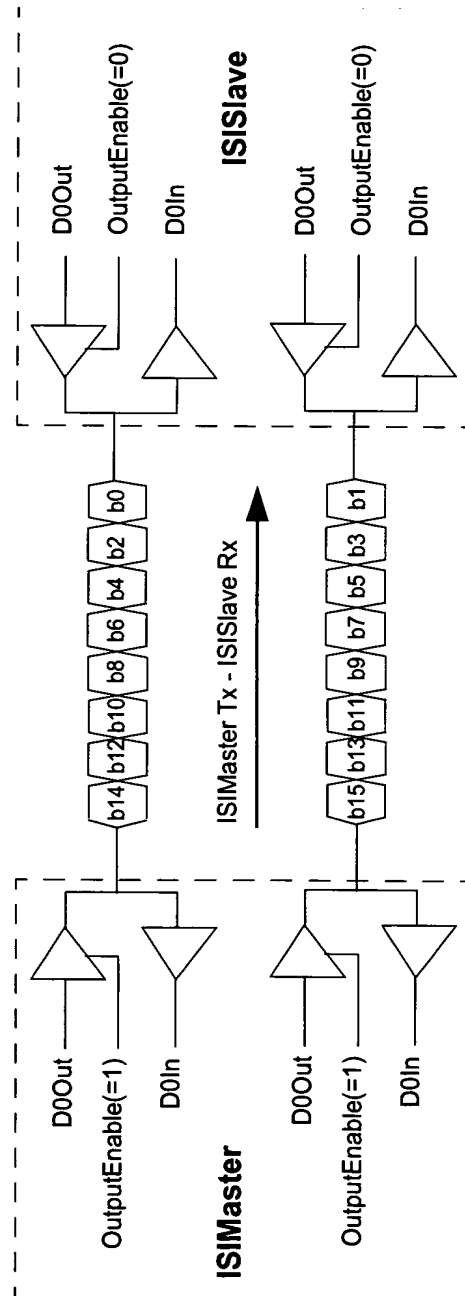
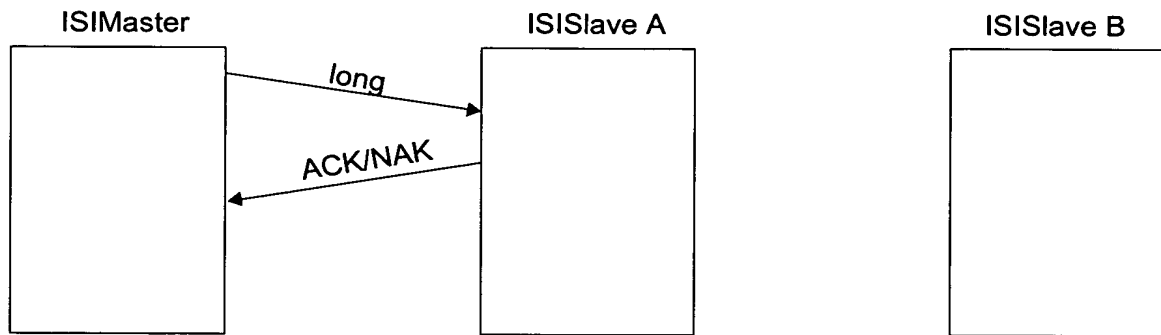
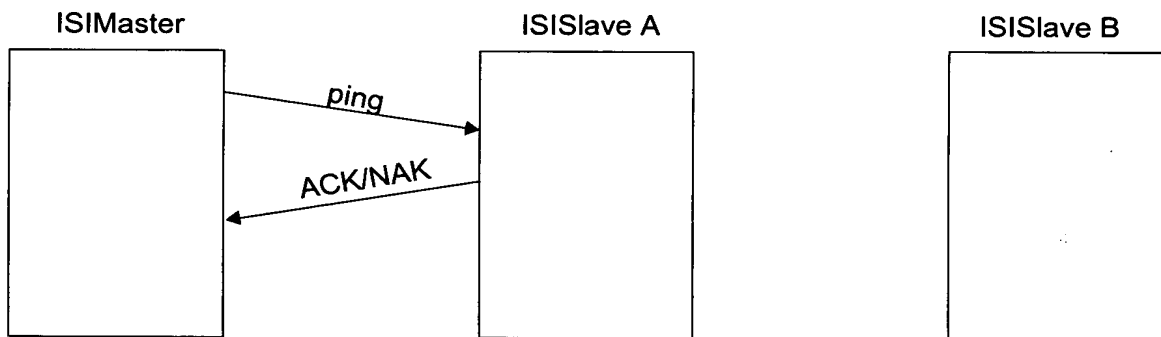


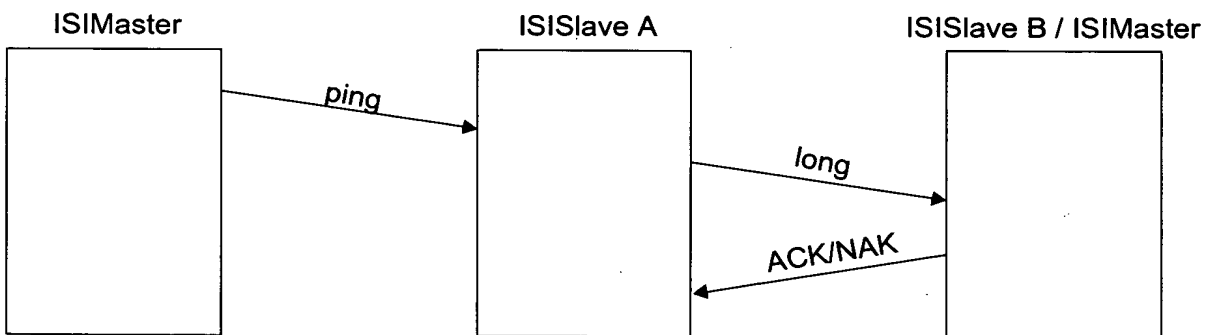
FIG. 31



Transaction 1: Long packet to an addressed ISISlave



Transaction 2: Ping packet to an addressed ISISlave. ISISlave has nothing to send



Transaction 3: Ping packet to an addressed ISISlave. ISISlaveA responds with a long packet to ISISlaveB (or the ISIMaster) and ISISlaveB (or the ISIMaster) responds with an ACK or NAK.

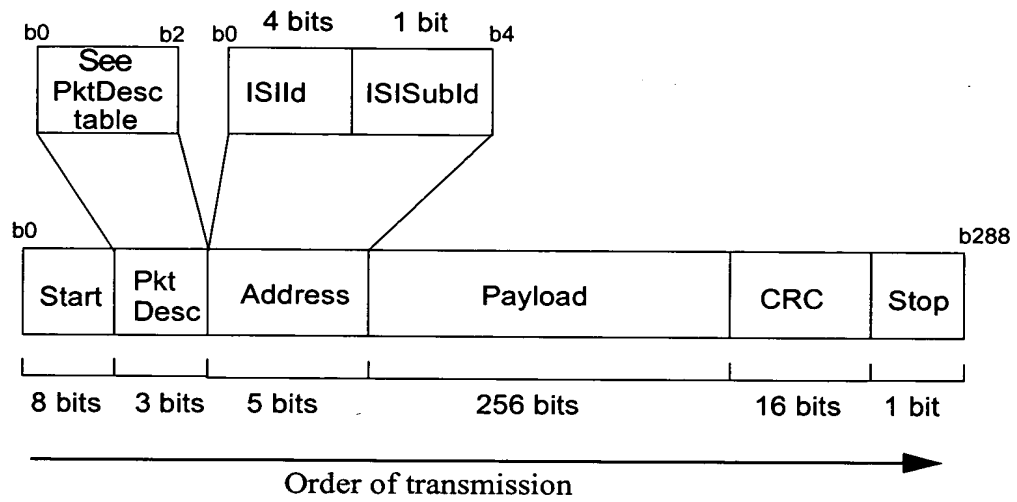


FIG. 33

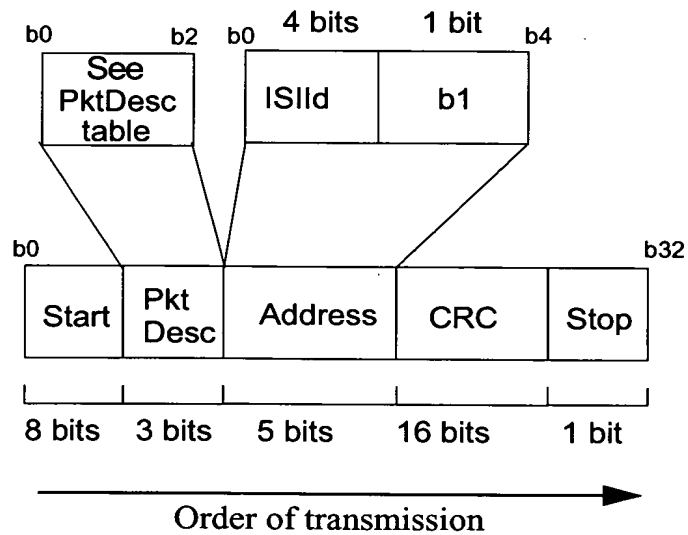


FIG. 34

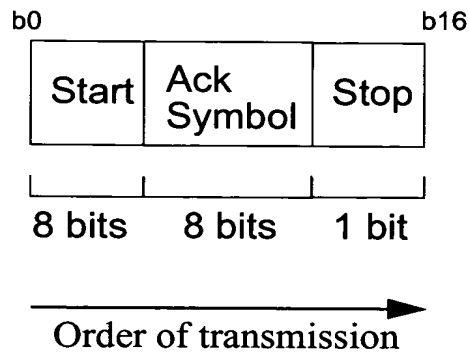


FIG. 35

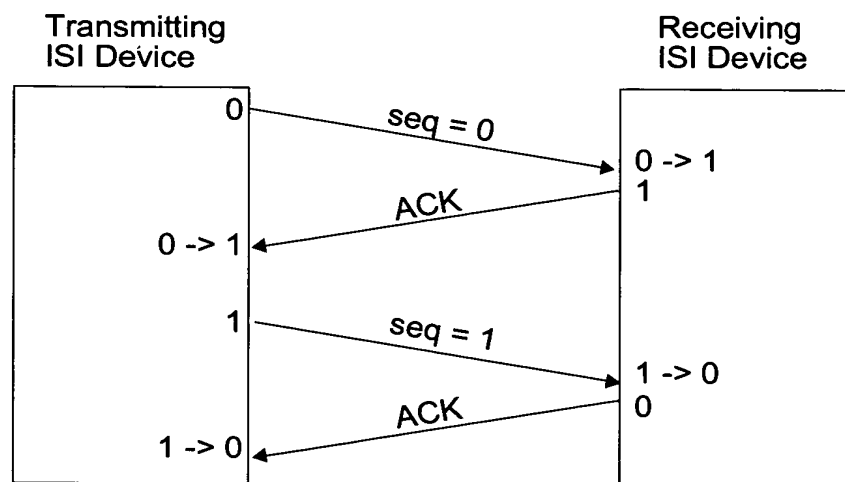


FIG. 36

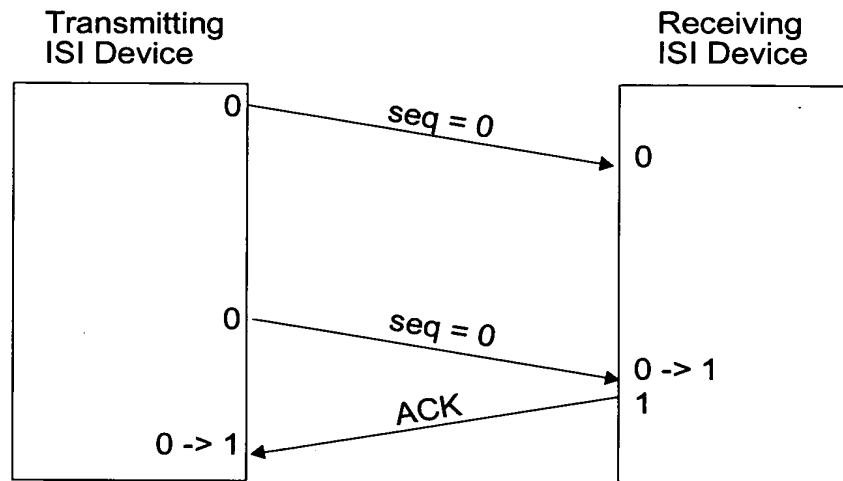


FIG. 37

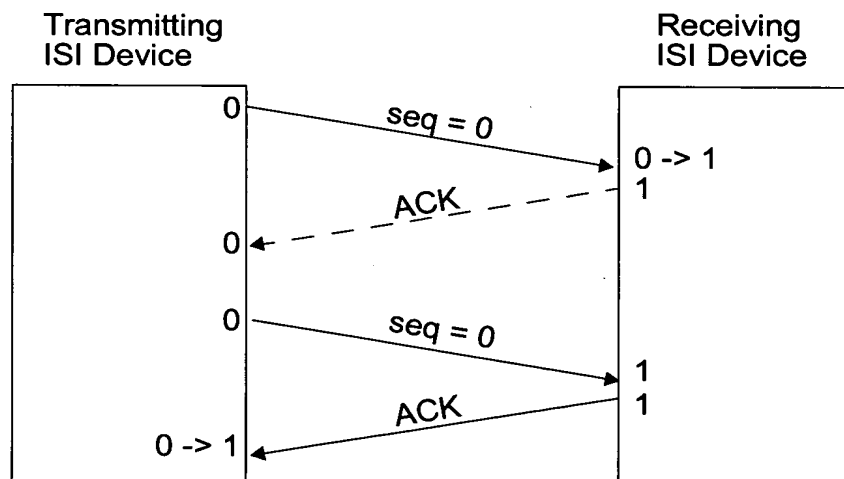


FIG. 38

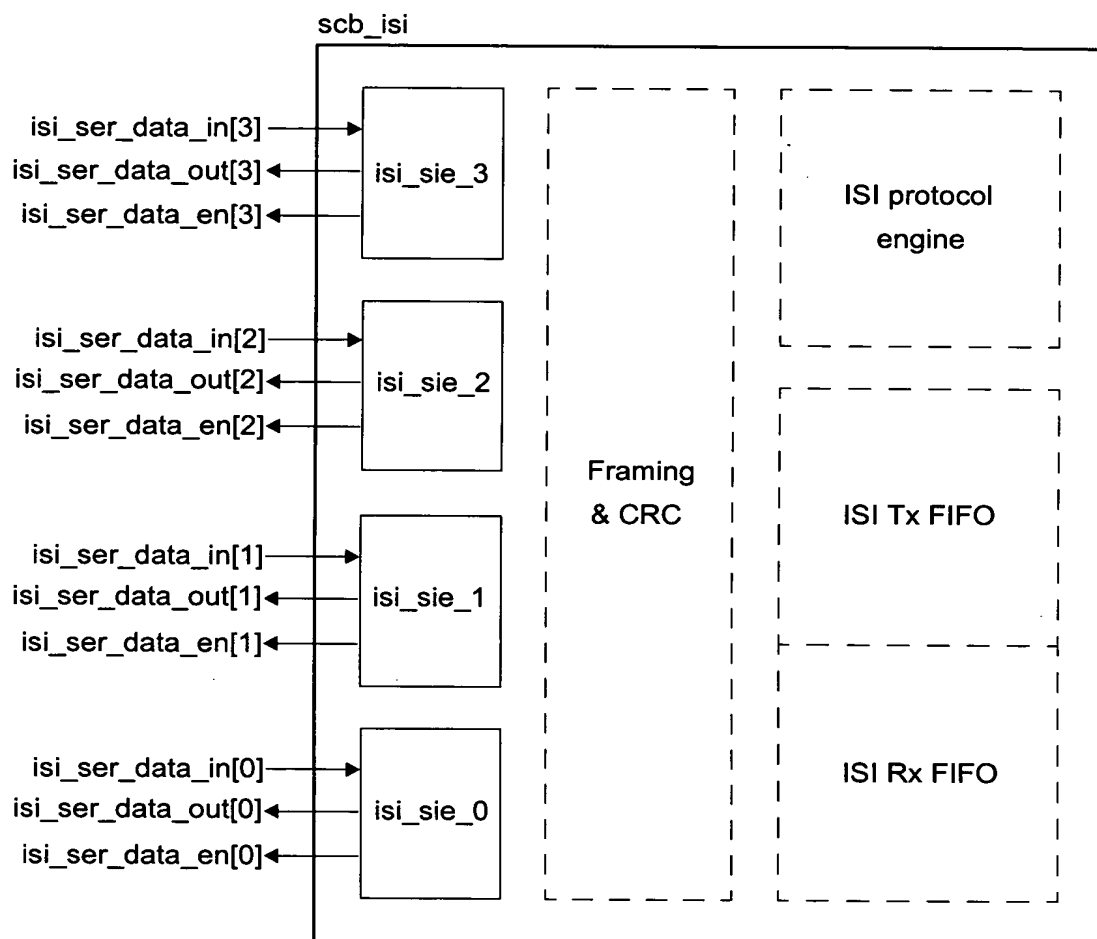


FIG. 39

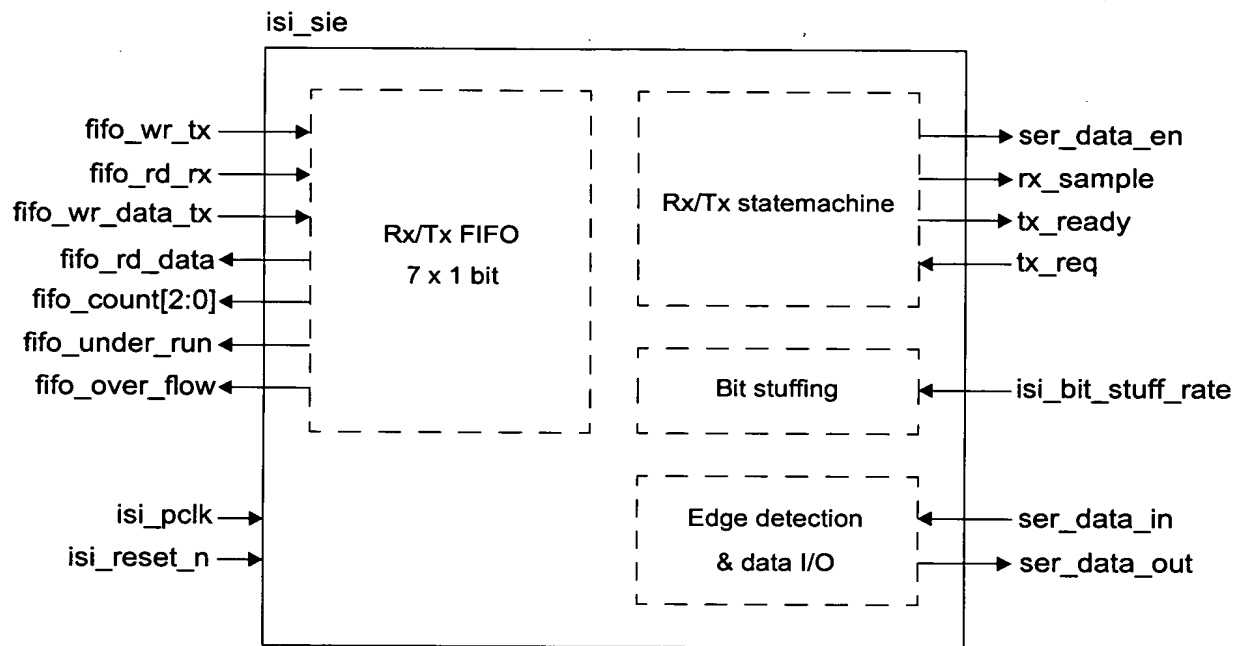


FIG. 40

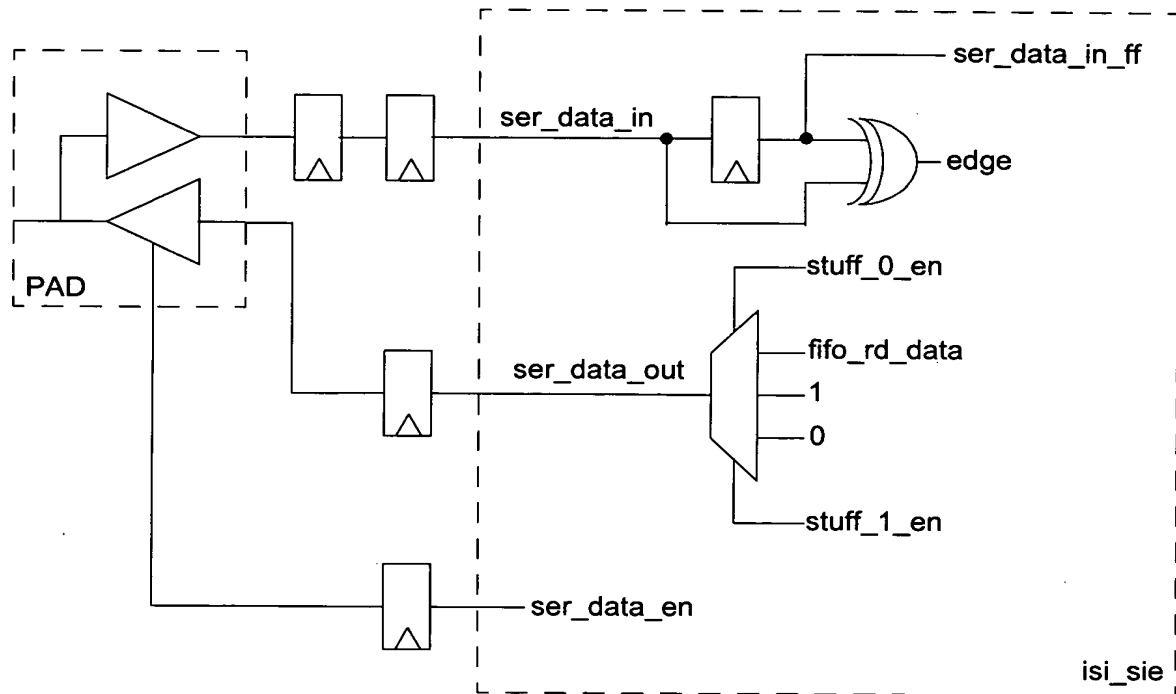


FIG. 41

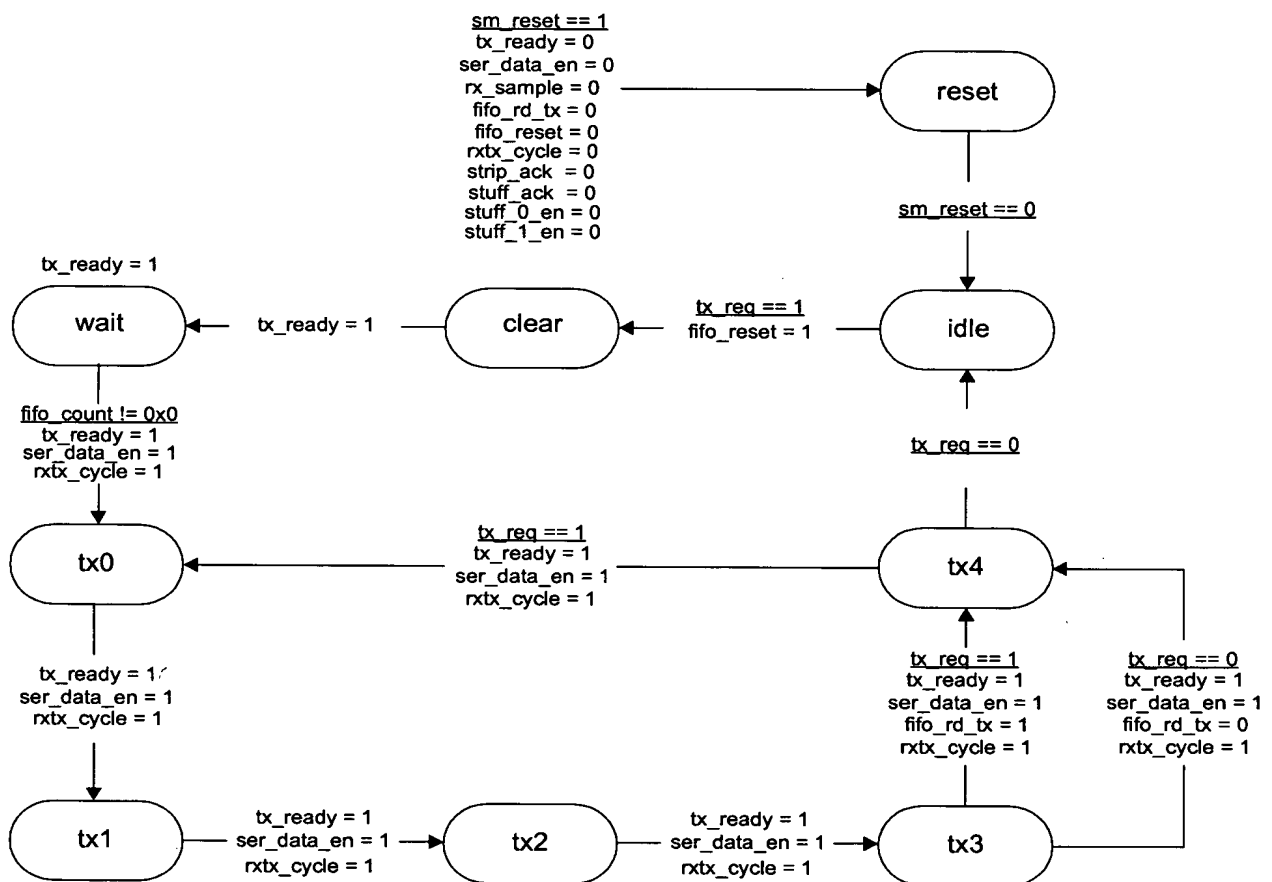


FIG. 42

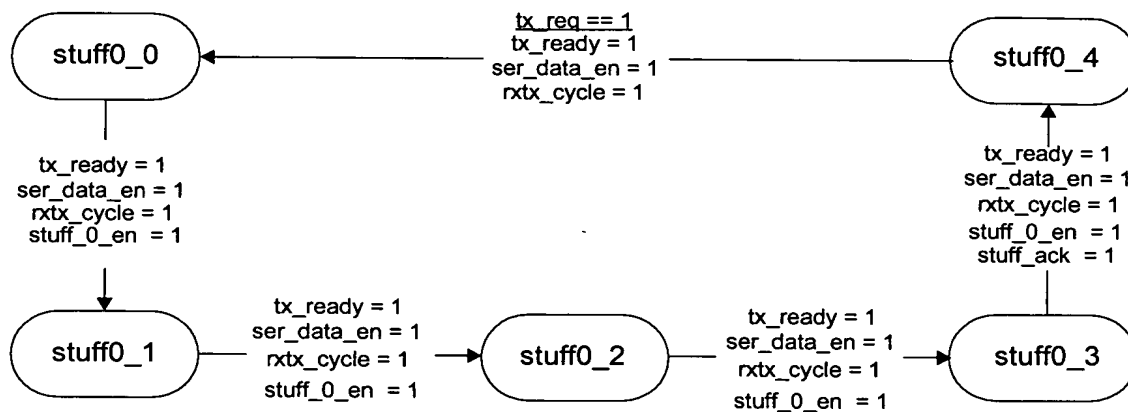


FIG. 43

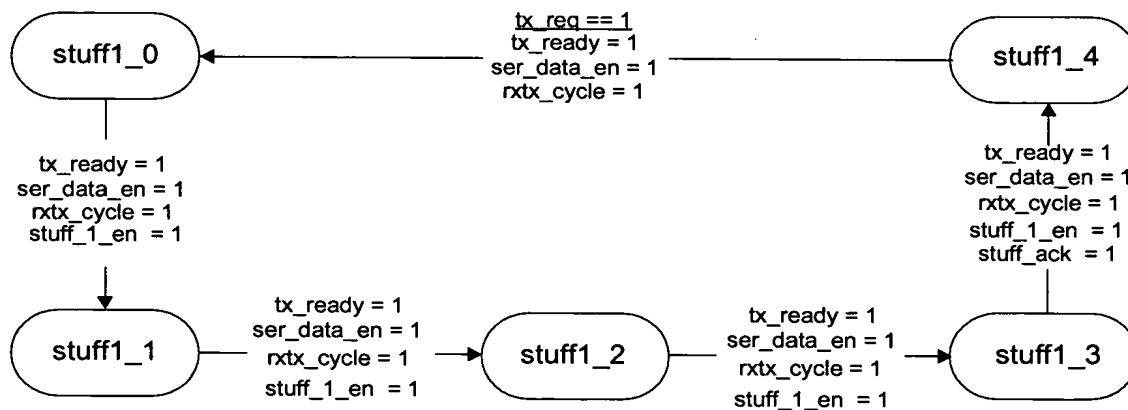


FIG. 44

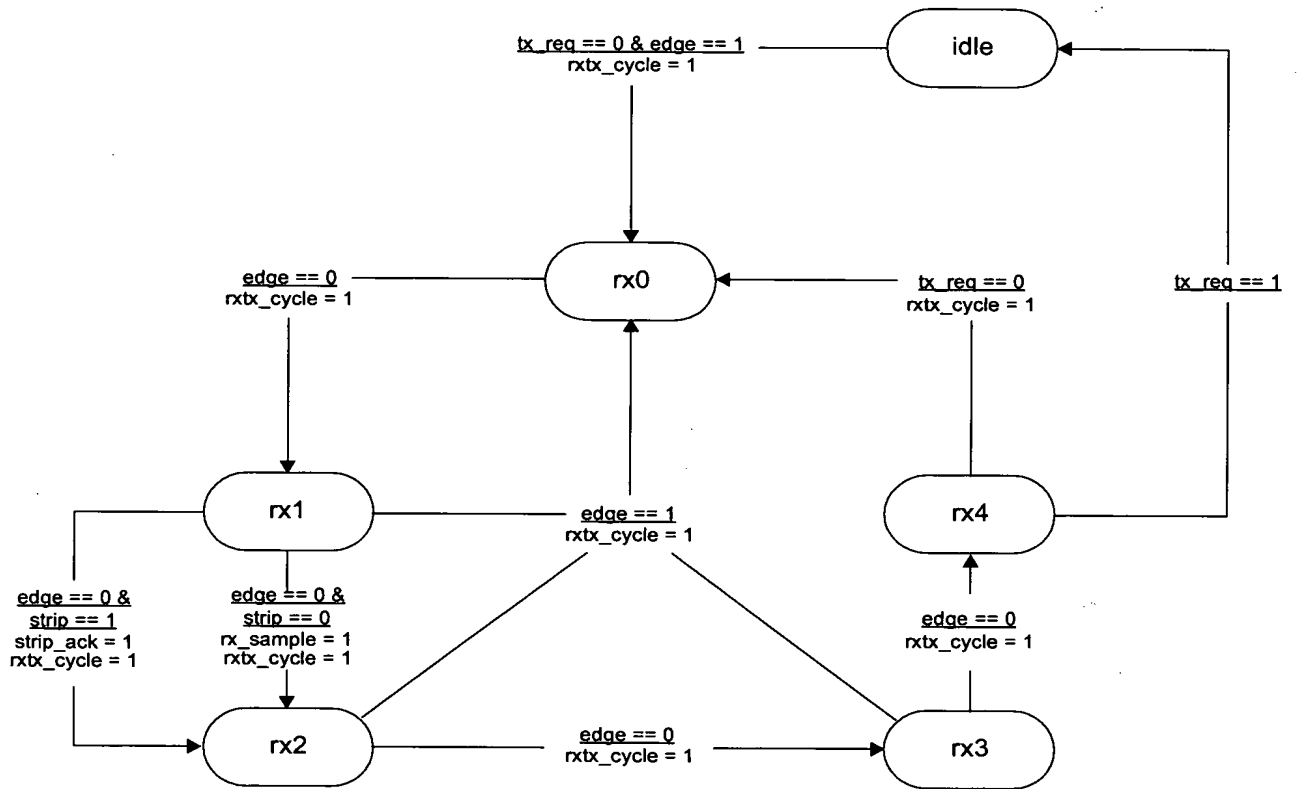


FIG. 45

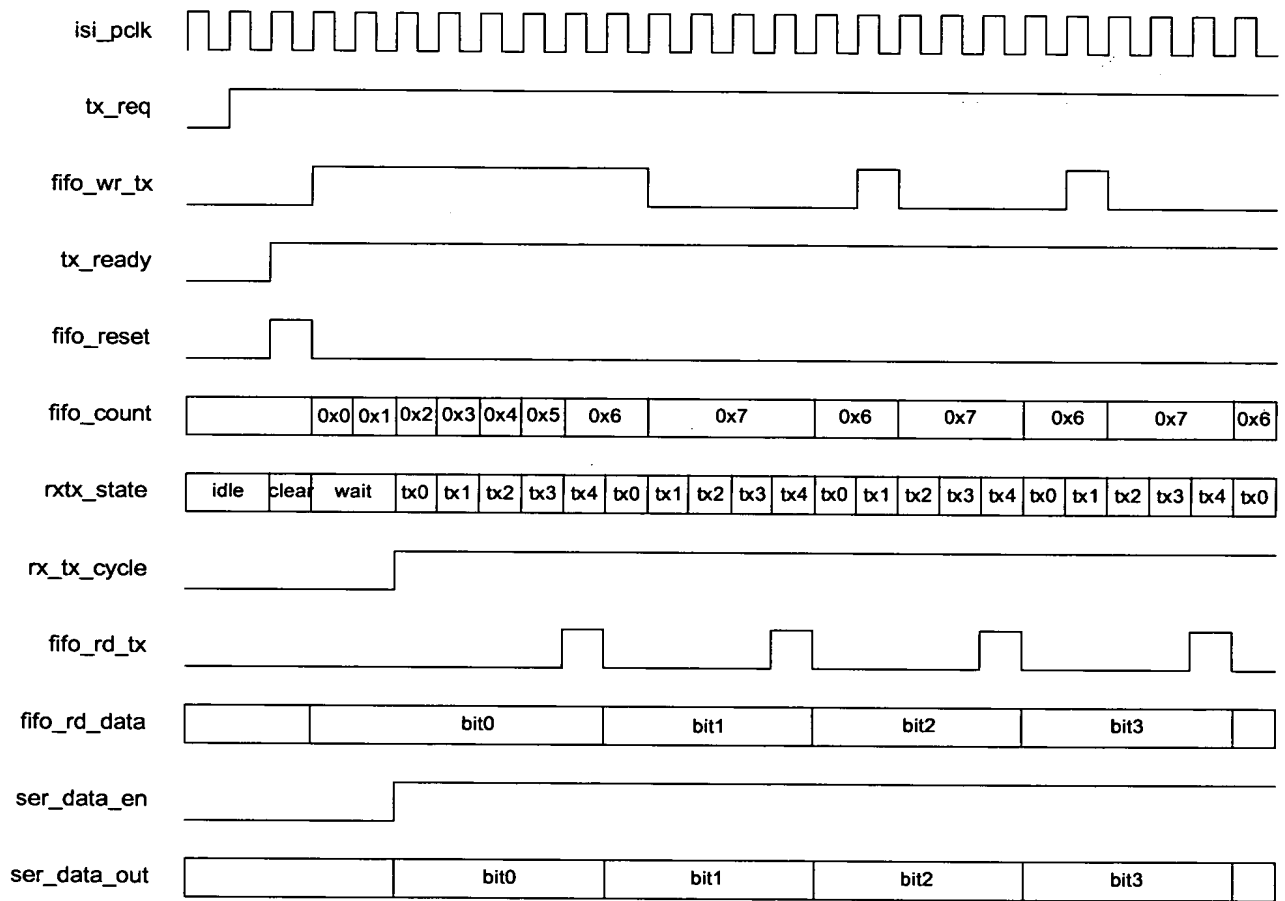


FIG. 46

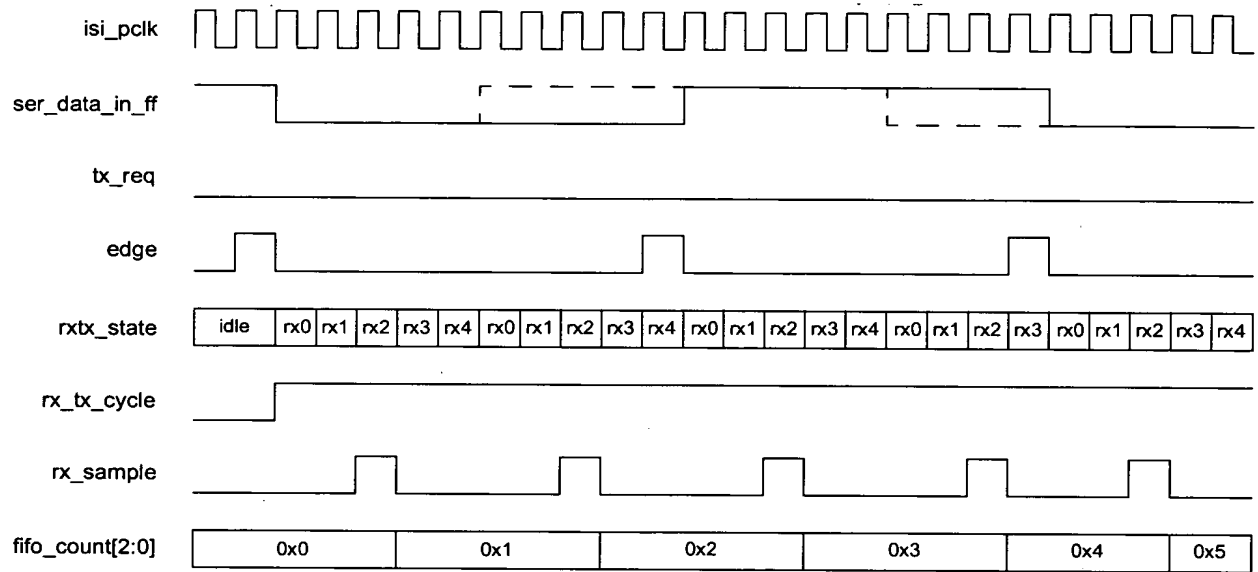


FIG. 47

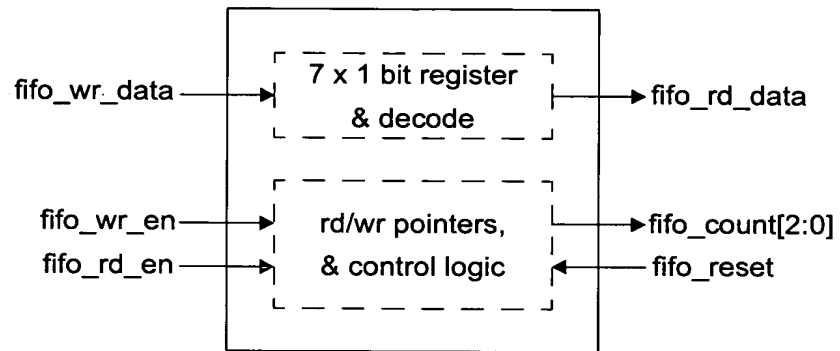


FIG. 48

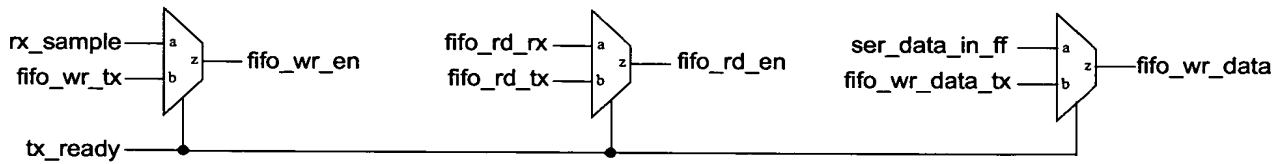


FIG. 49

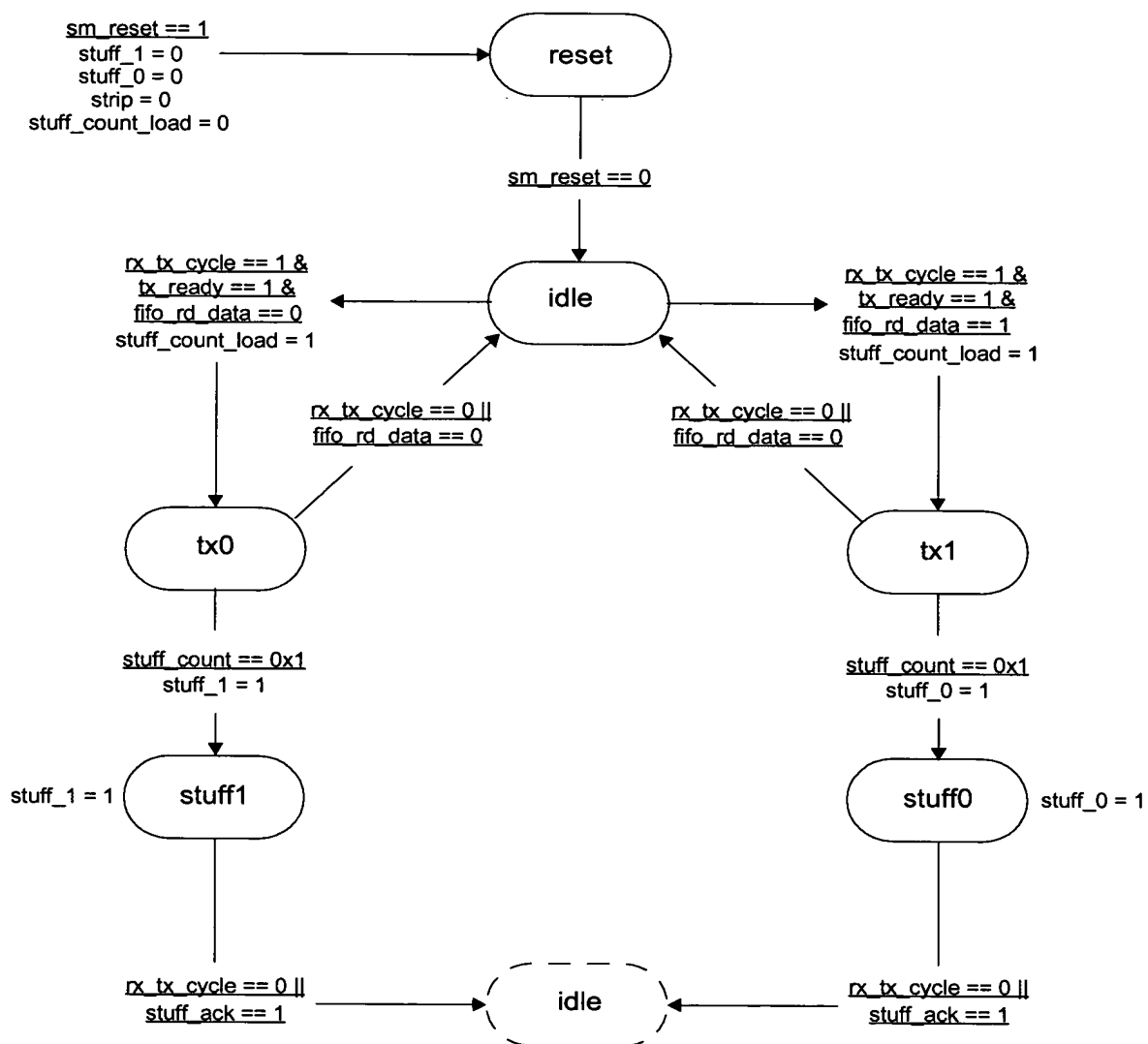


FIG. 50

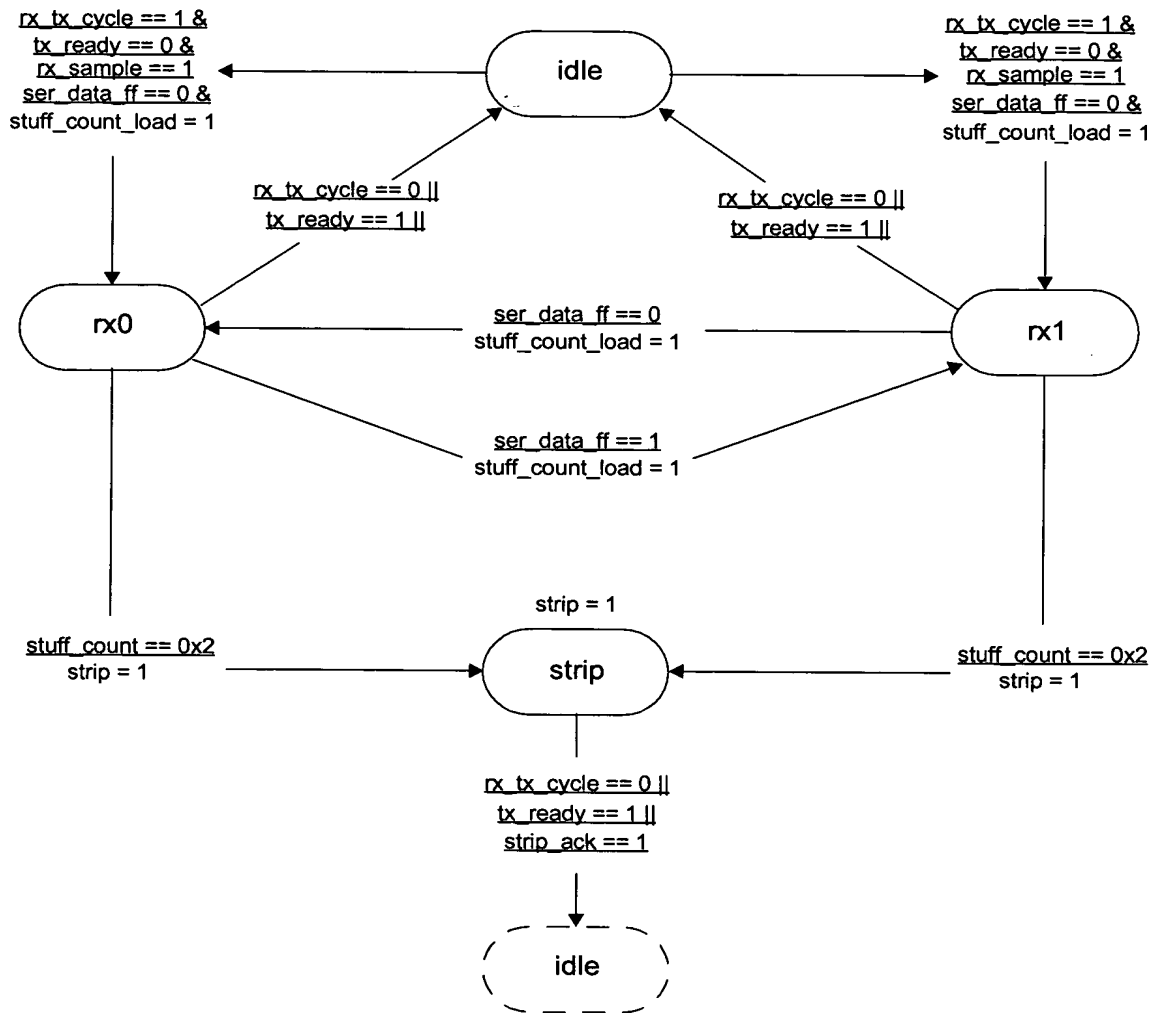


FIG. 51

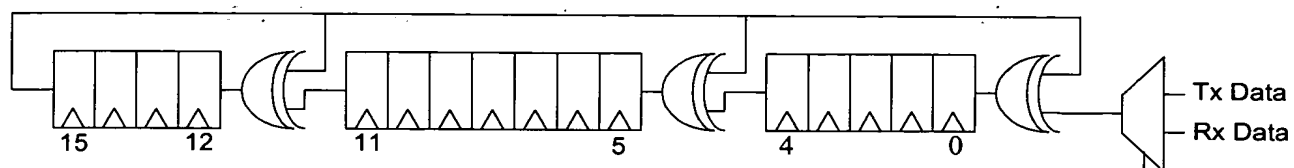


FIG. 52

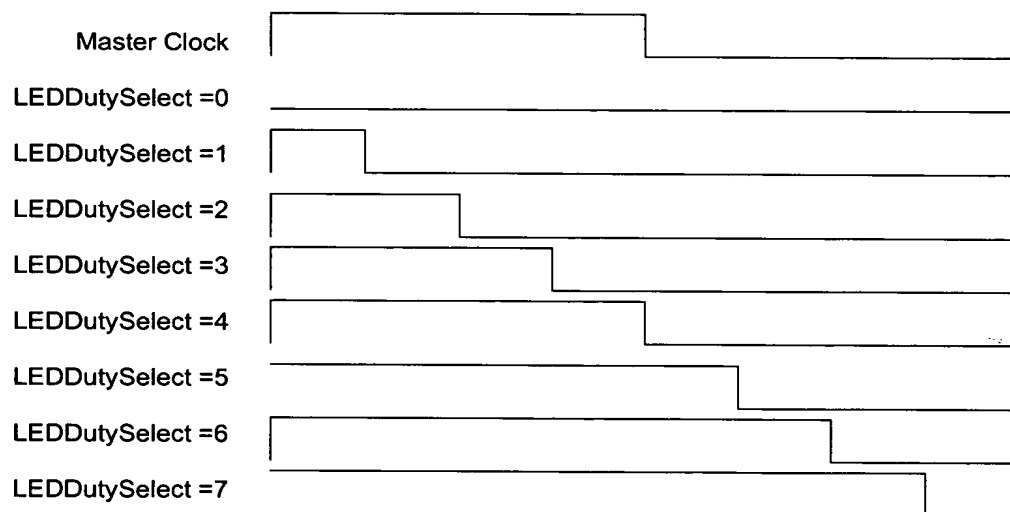


FIG. 54

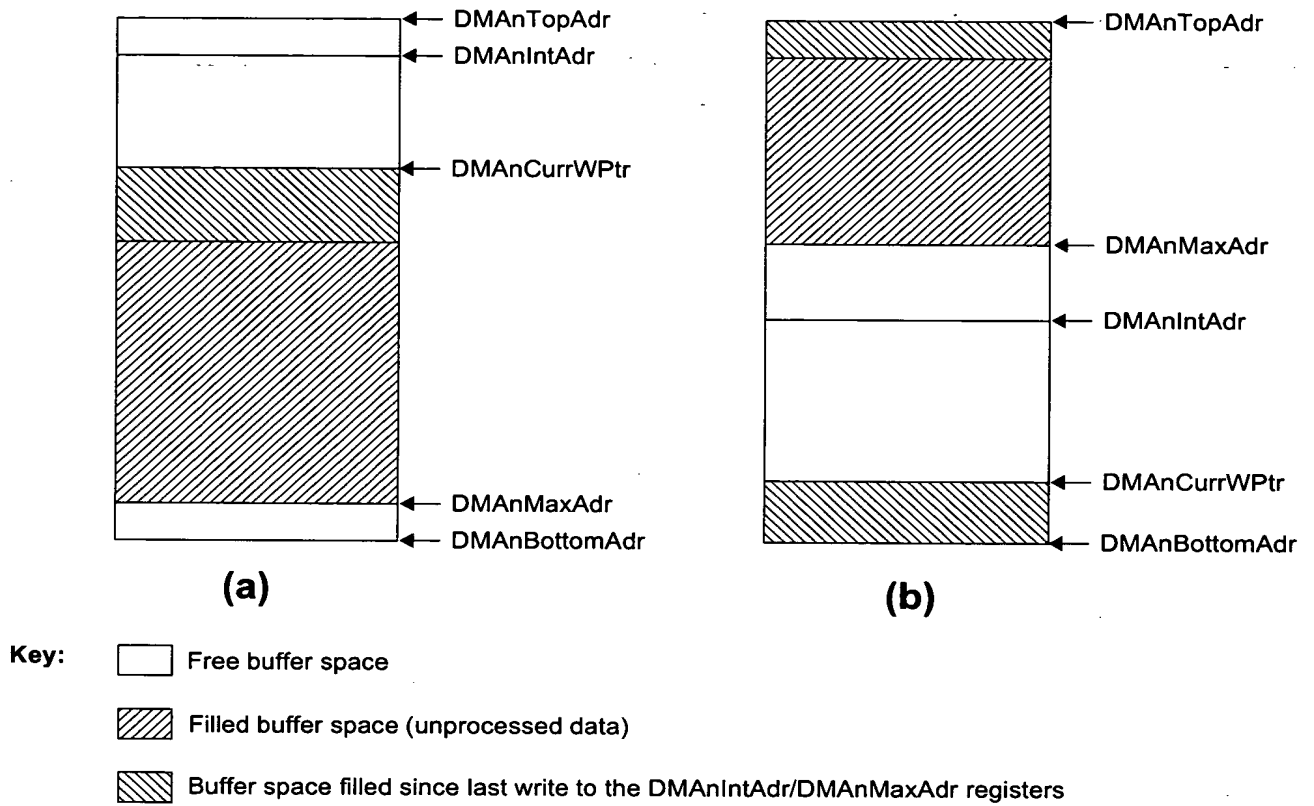


FIG. 53

GPIO

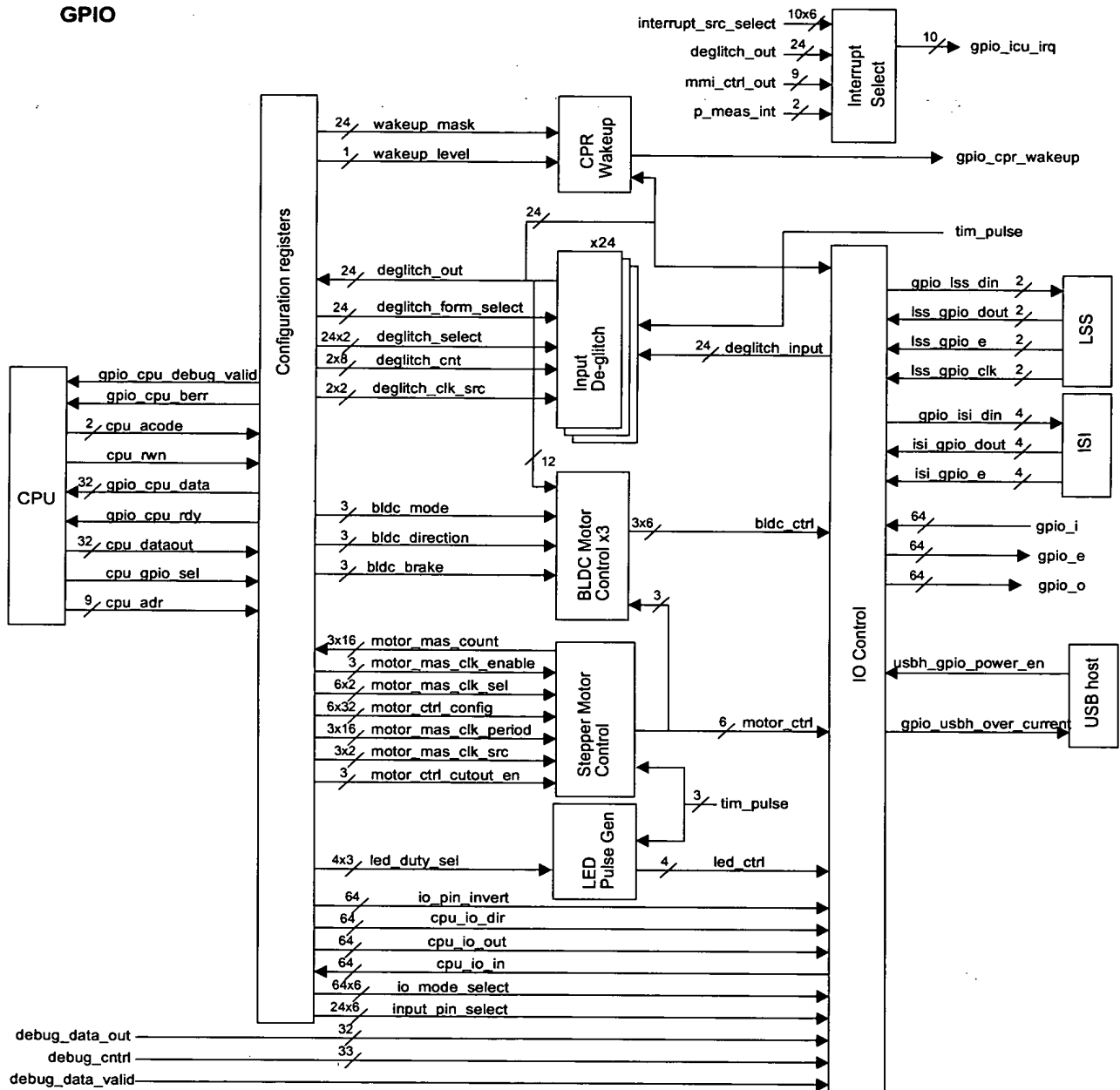


FIG. 55

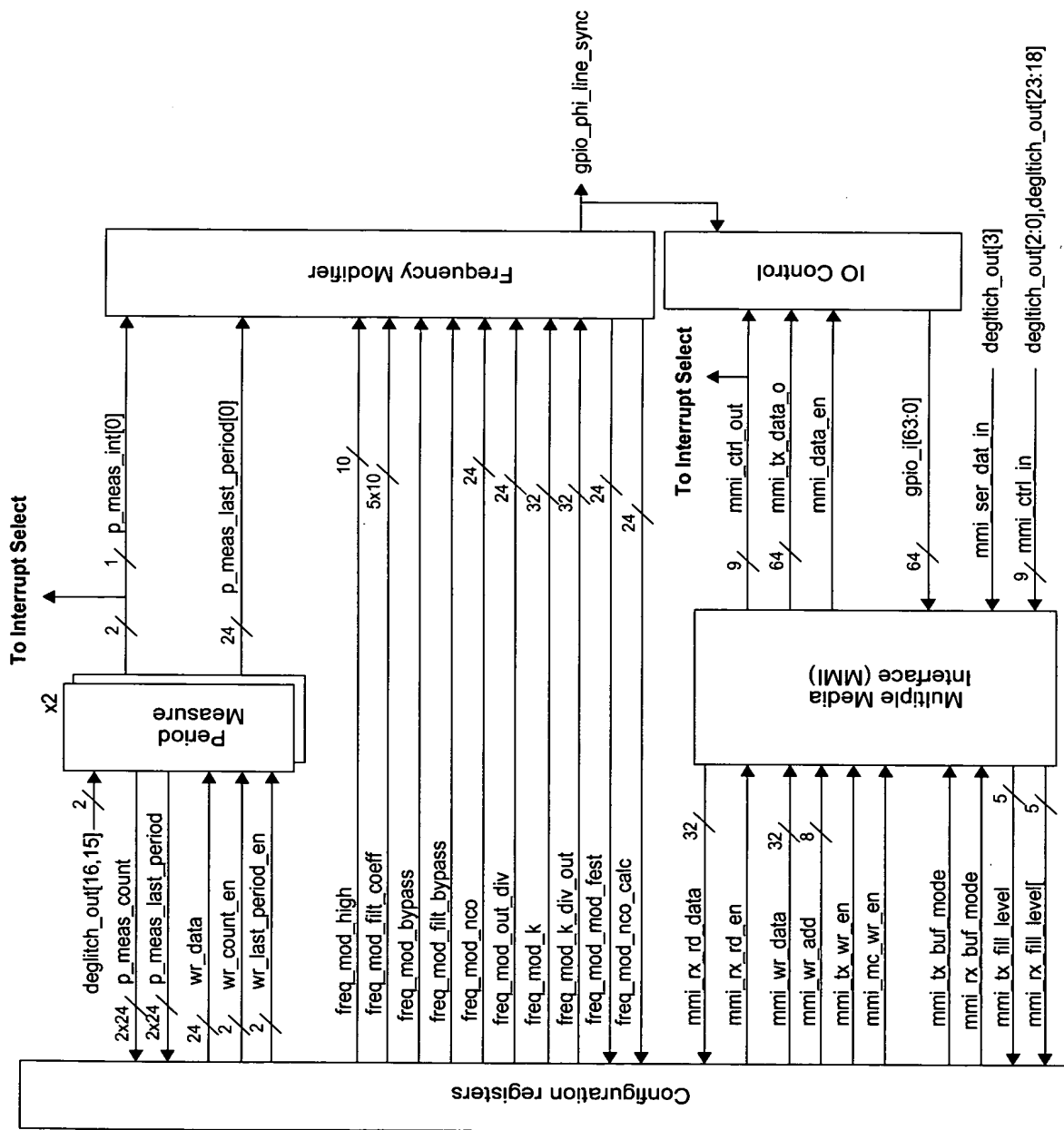


FIG. 56

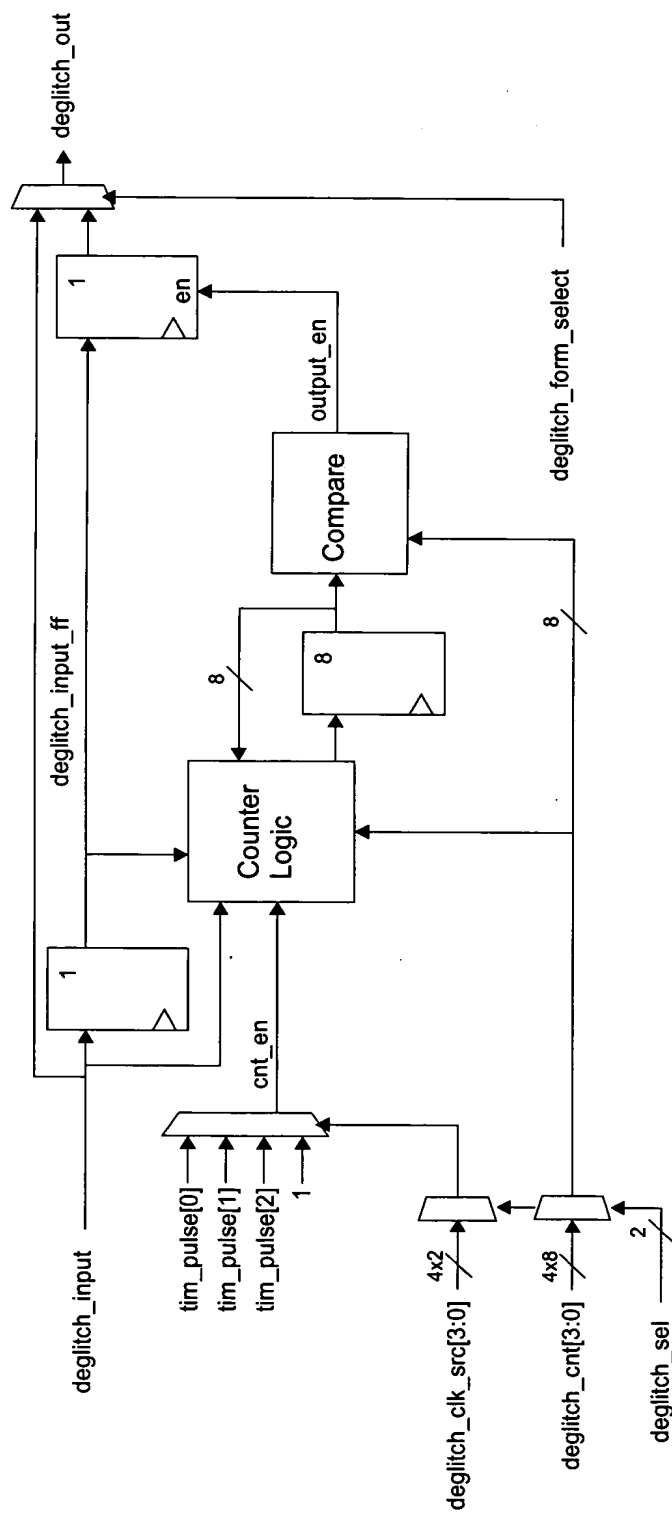


FIG. 57

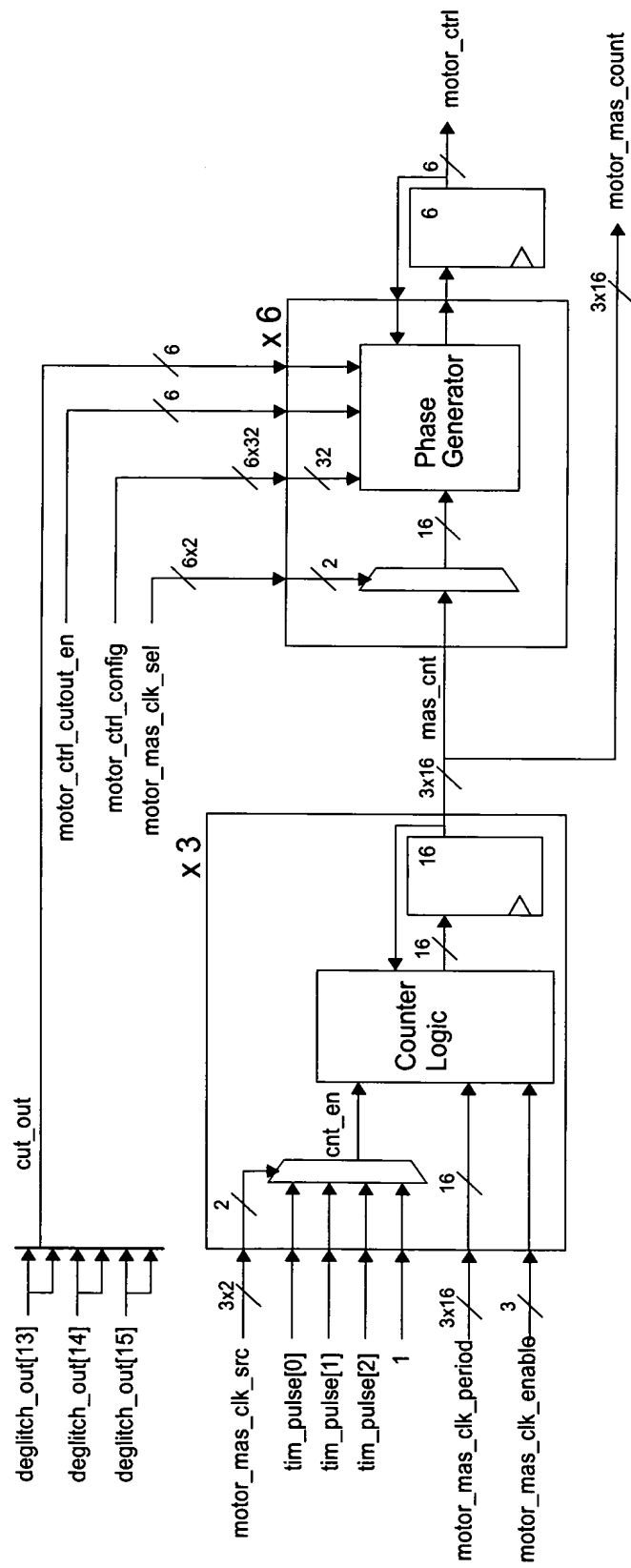


FIG. 58

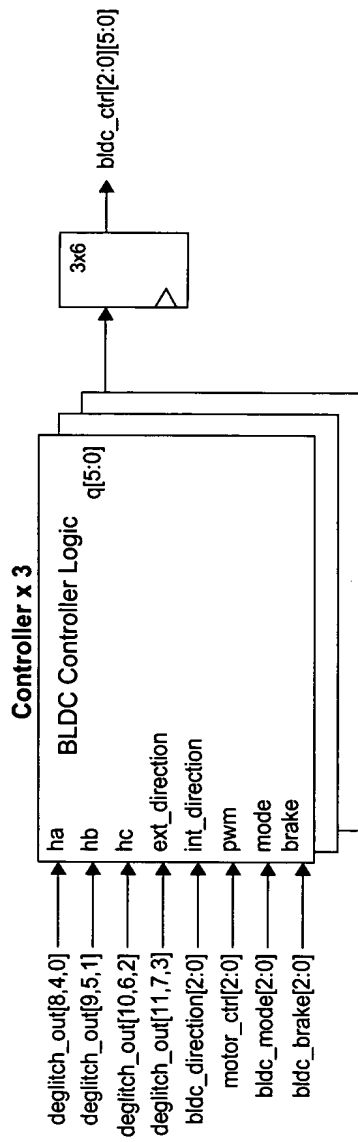


FIG. 59

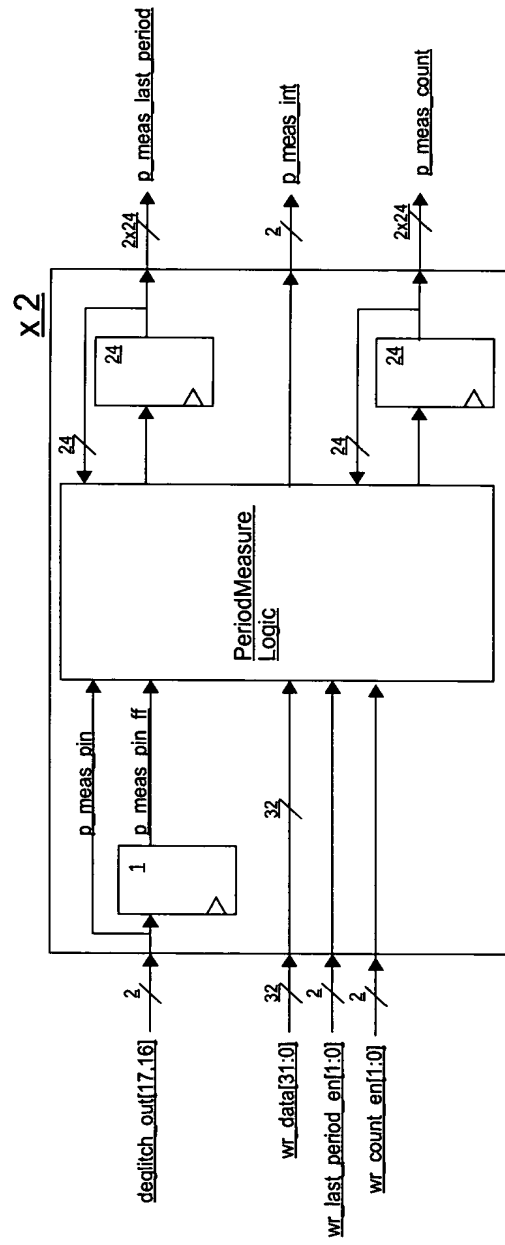


FIG. 60

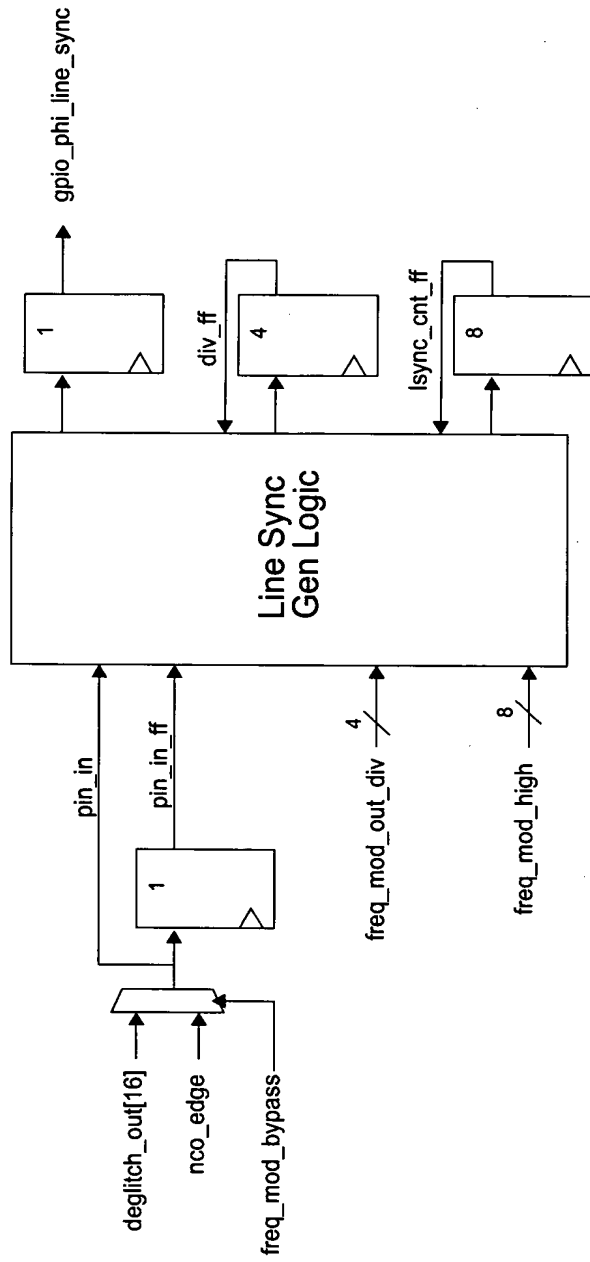


FIG. 61

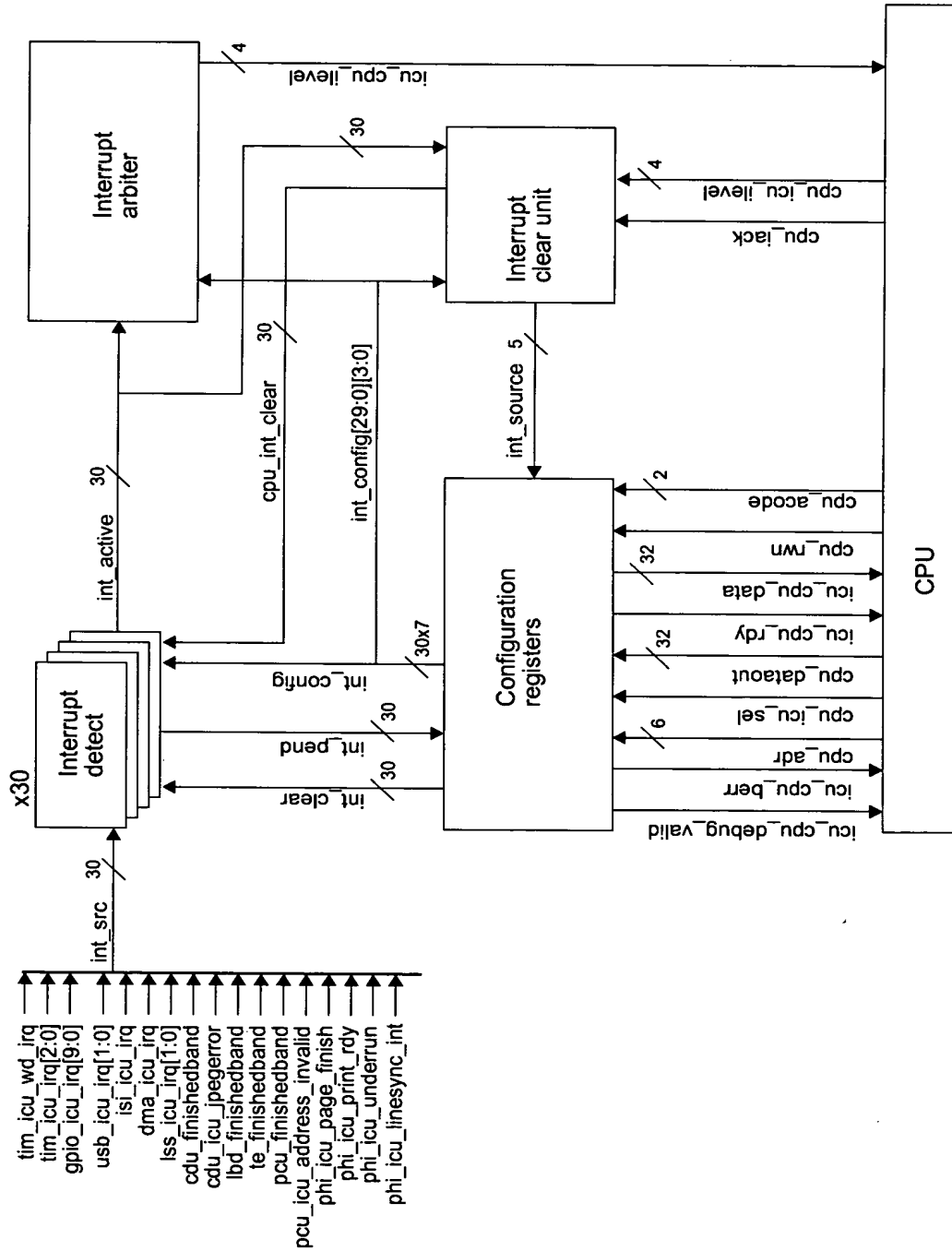
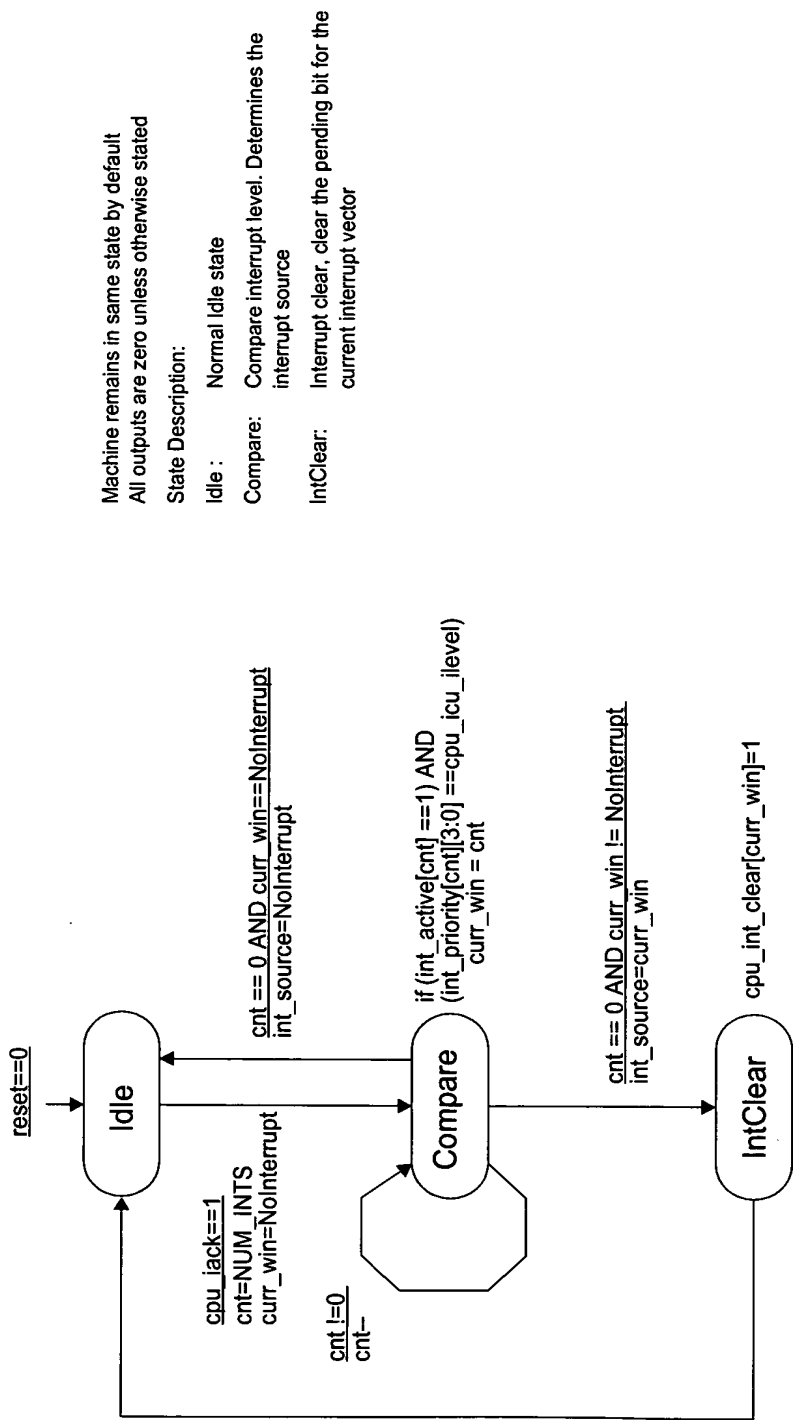


FIG. 62



Machine remains in same state by default
All outputs are zero unless otherwise stated

State Description:

Idle : Normal Idle state

Compare: Compare interrupt level. Determines the interrupt source

IntClear: Interrupt clear, clear the pending bit for the current interrupt vector

FIG. 63

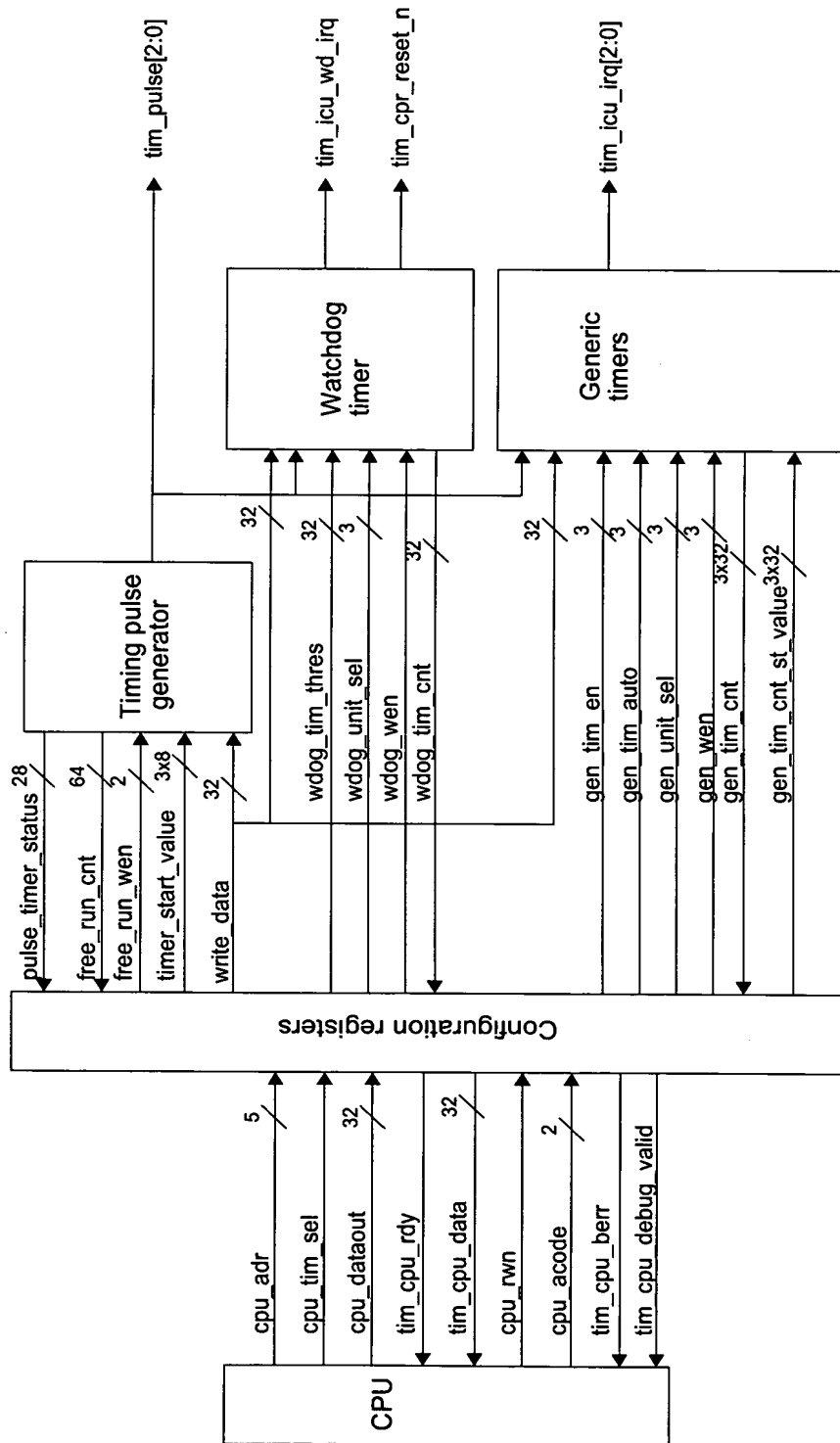


FIG. 63A

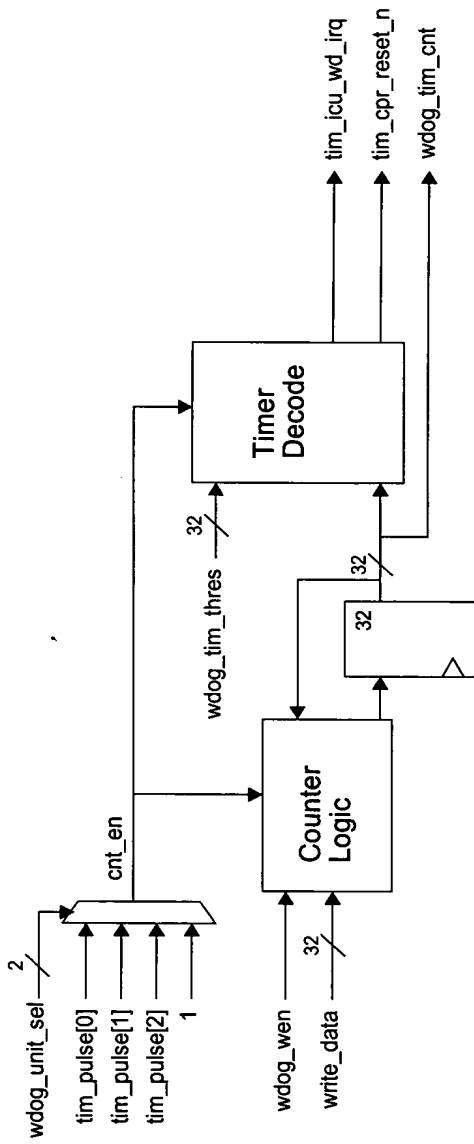


FIG. 64

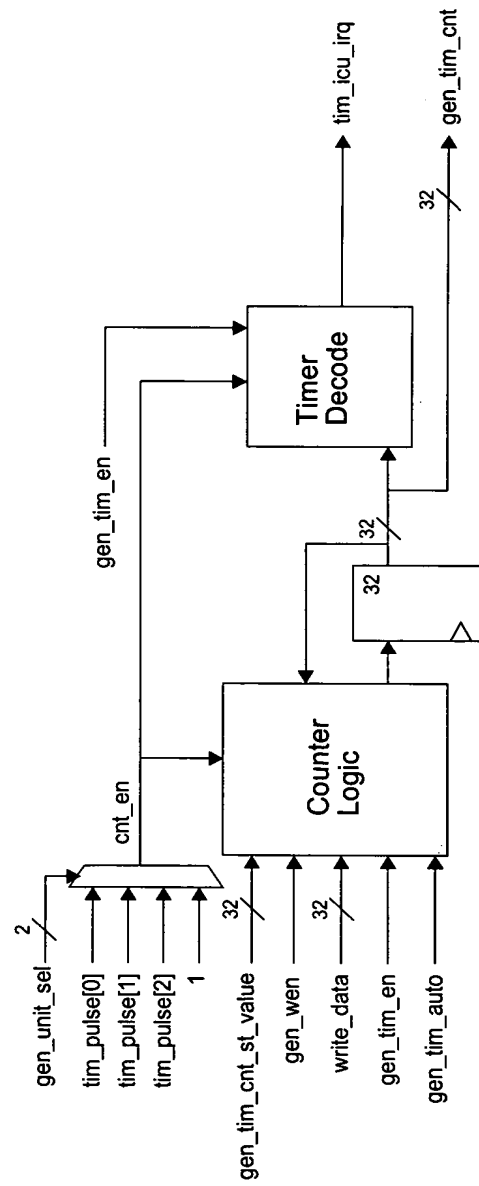


FIG. 65

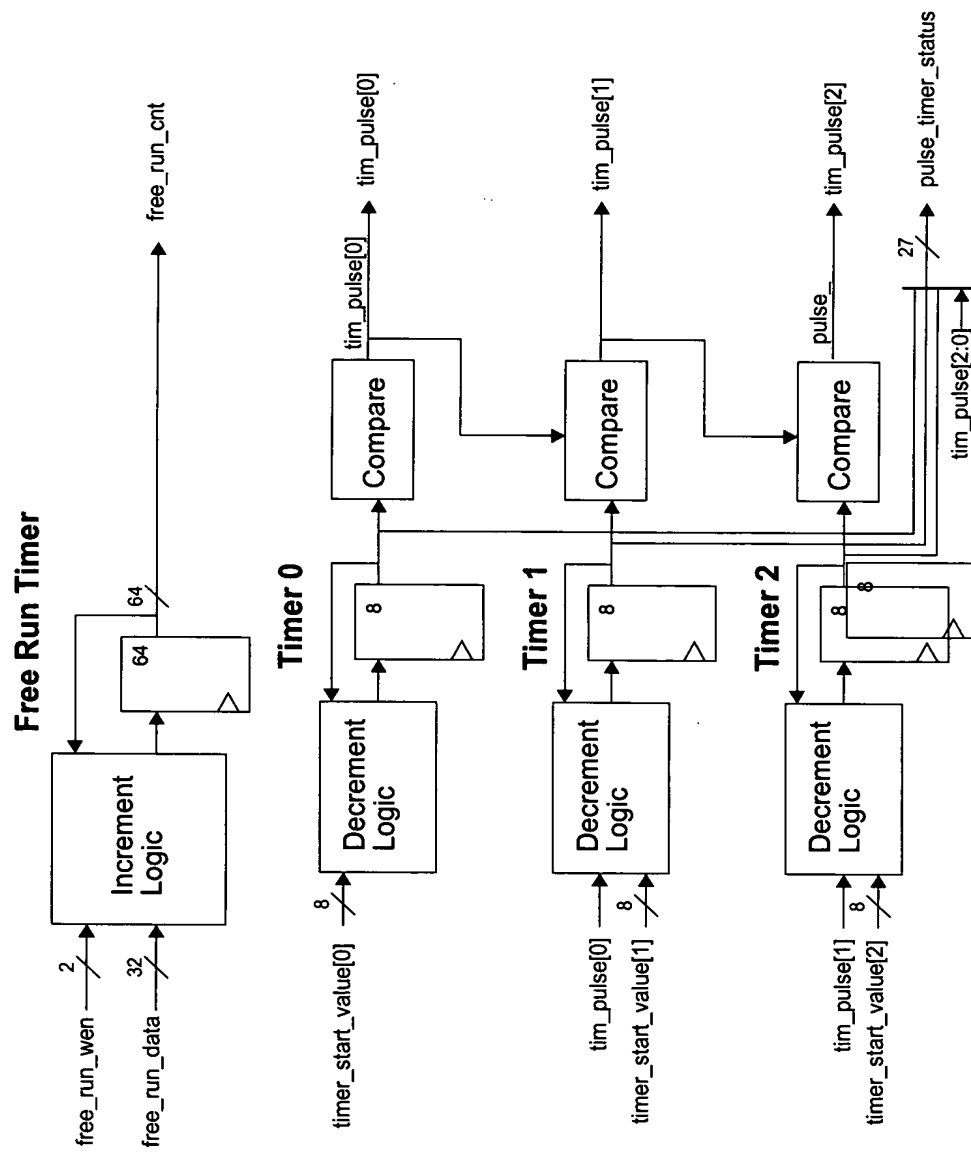


FIG. 66

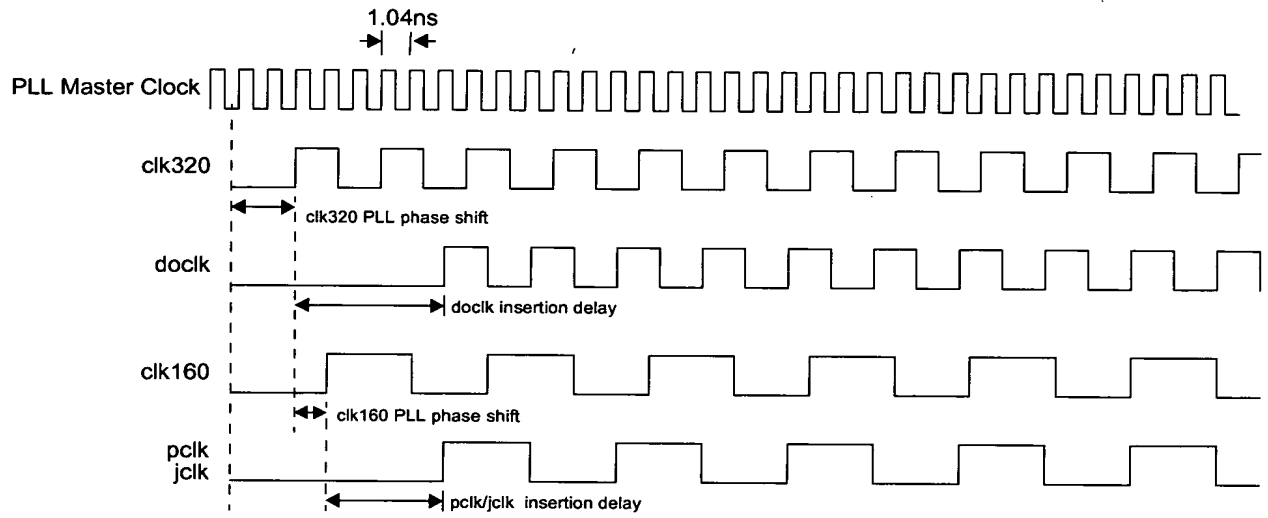


FIG. 67

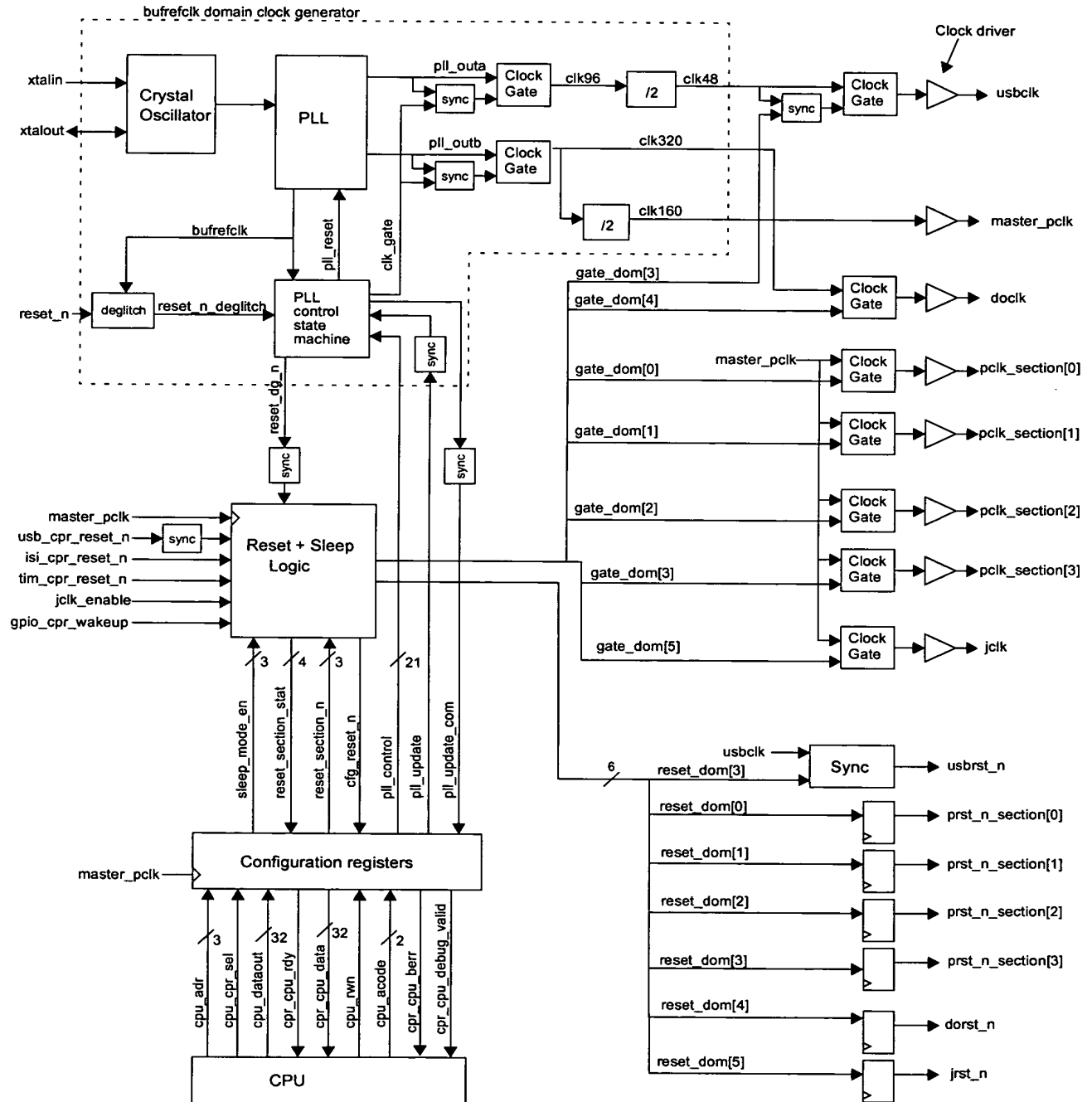


FIG. 68

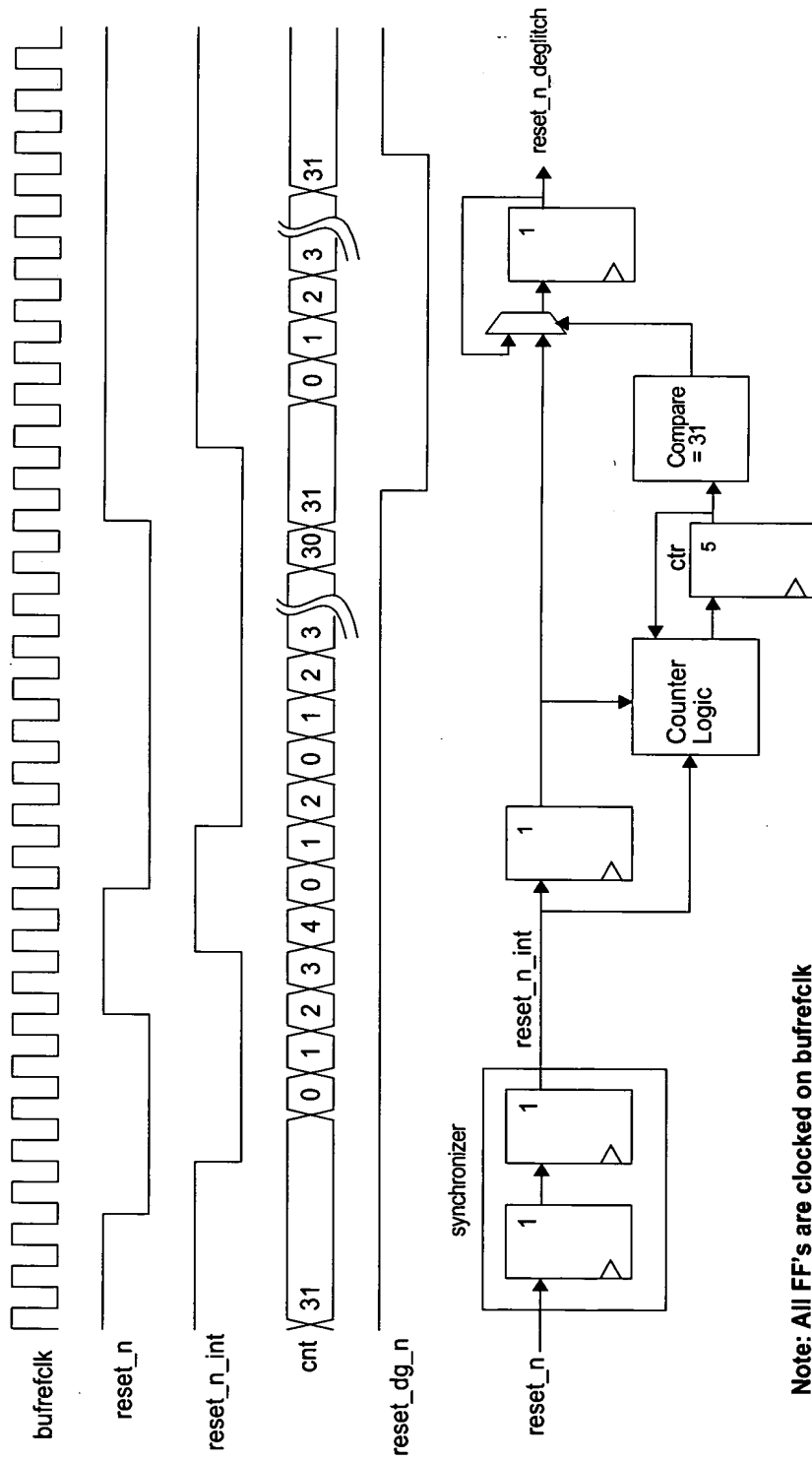


FIG. 69

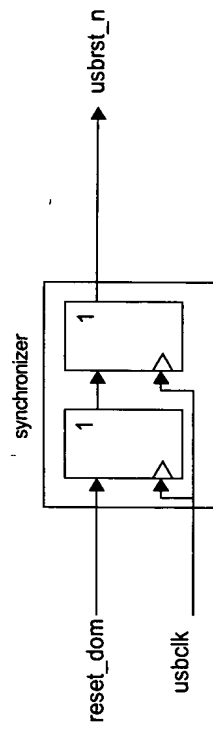
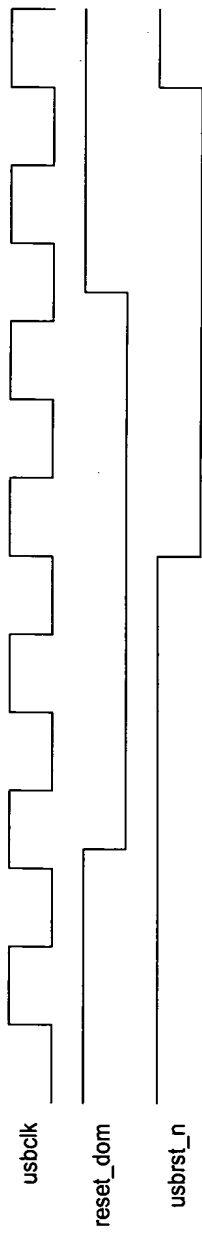


FIG. 70

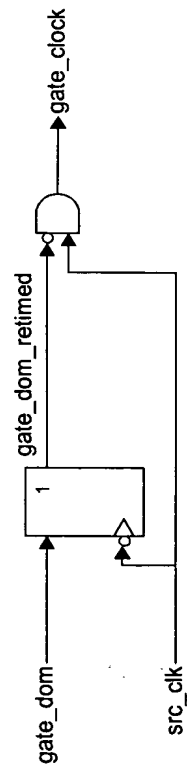
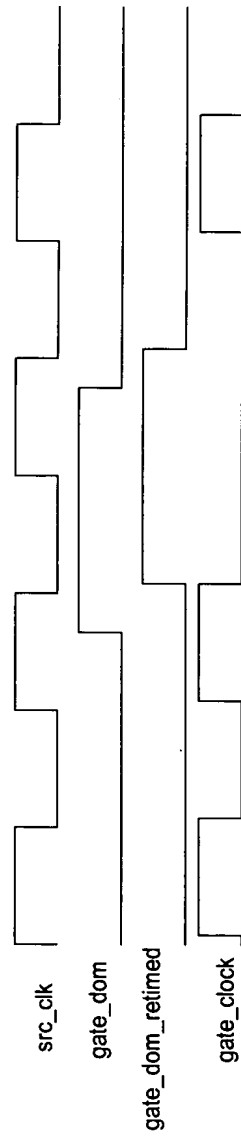
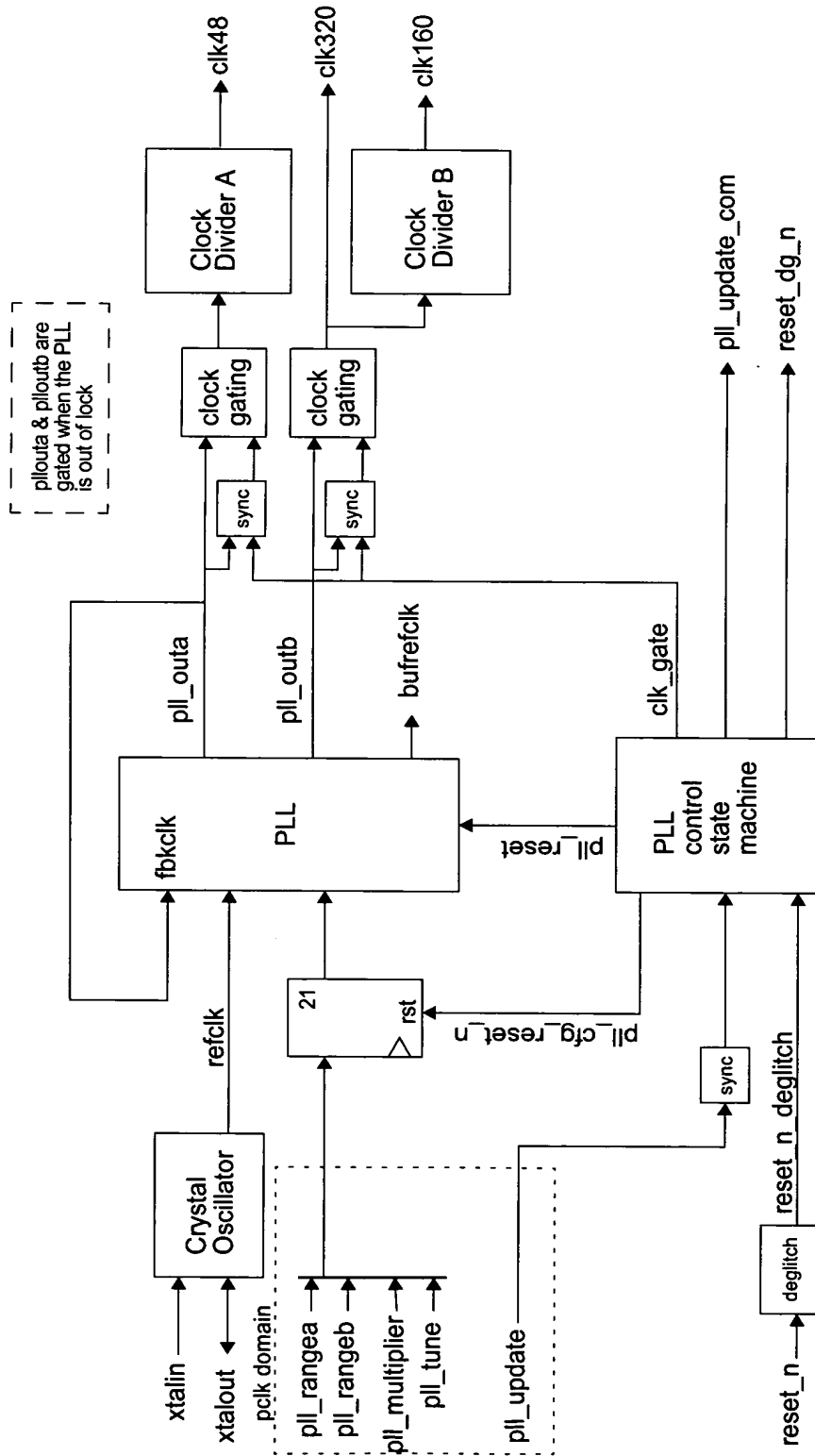


FIG. 71



Note: All logic clocked on bufrefclk unless otherwise indicated

FIG. 72

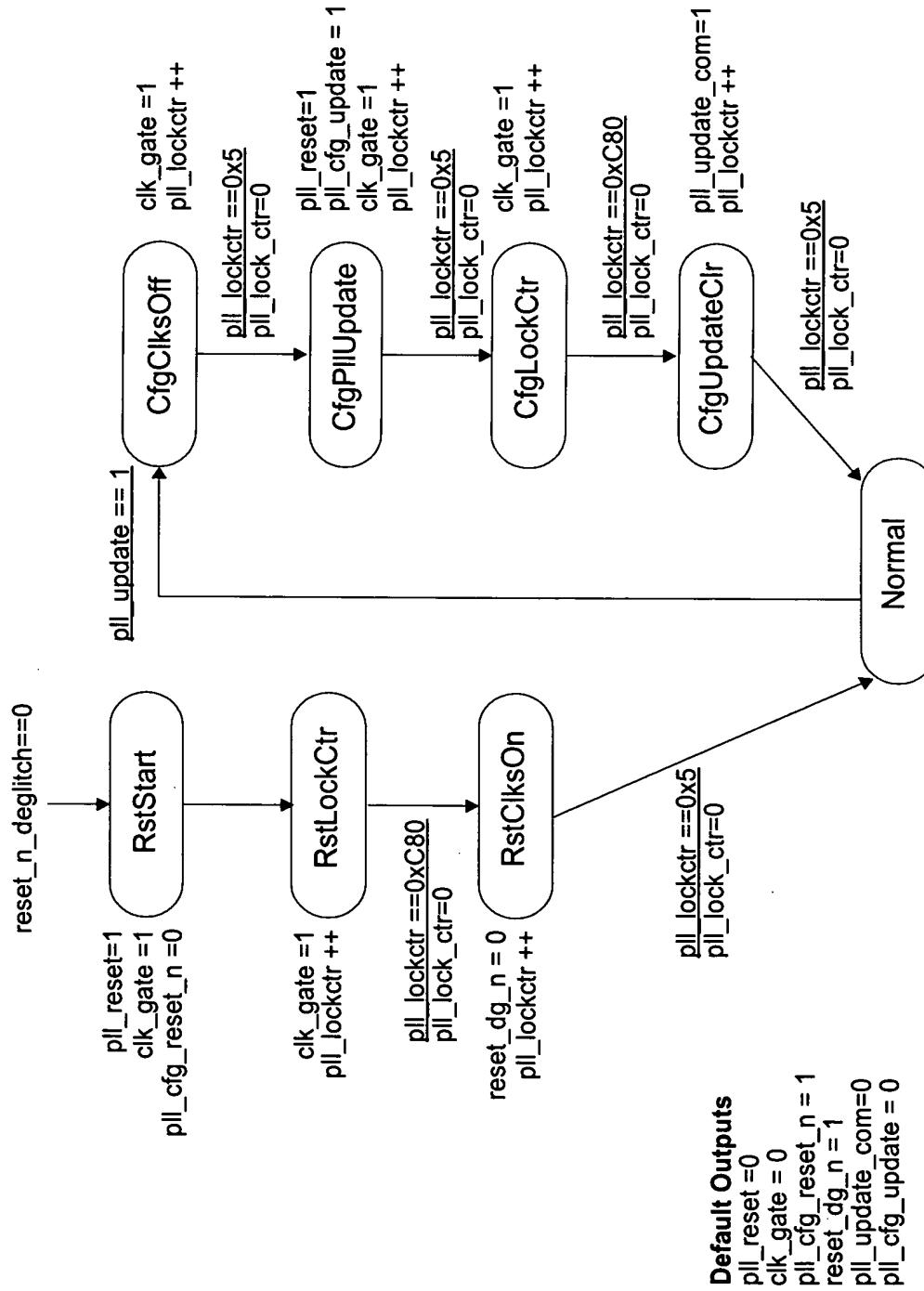


FIG. 73

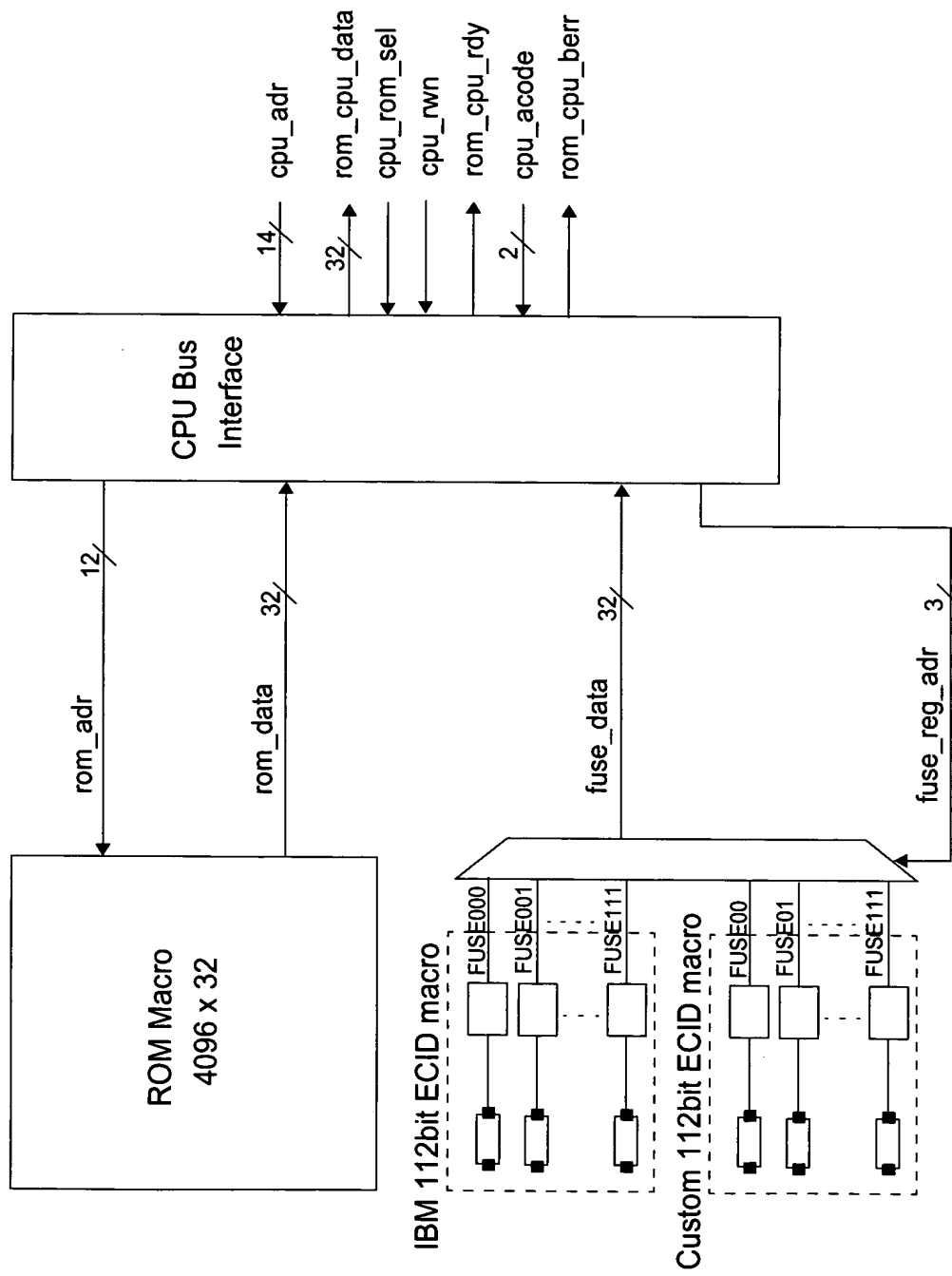


FIG. 74

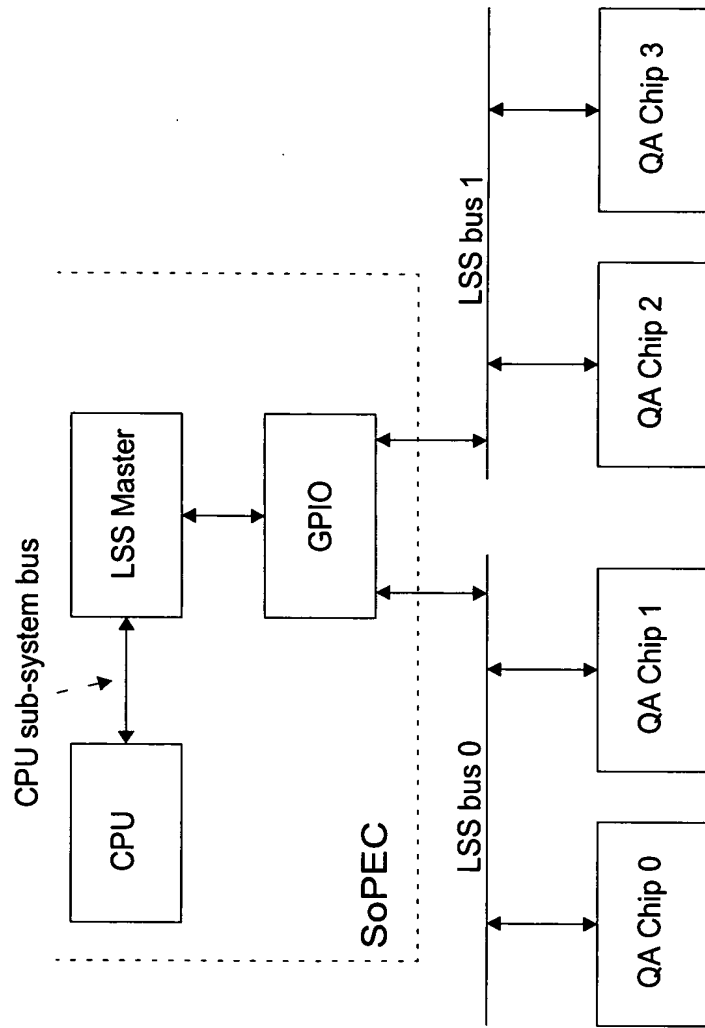


FIG. 75

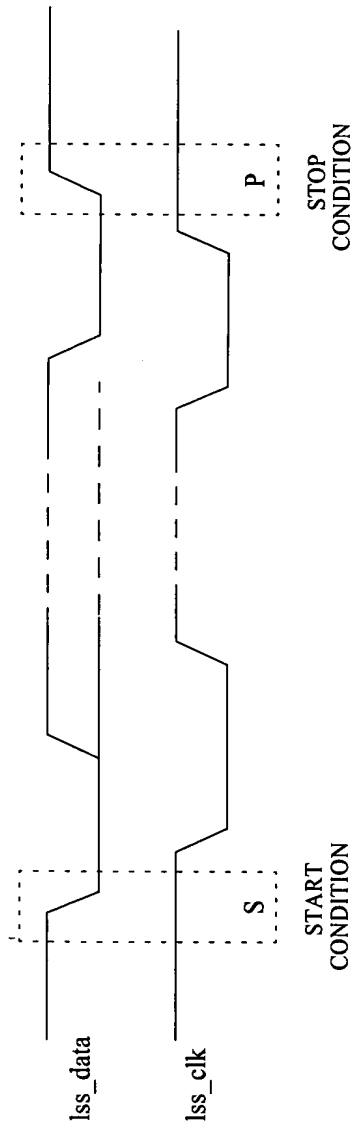


FIG. 76

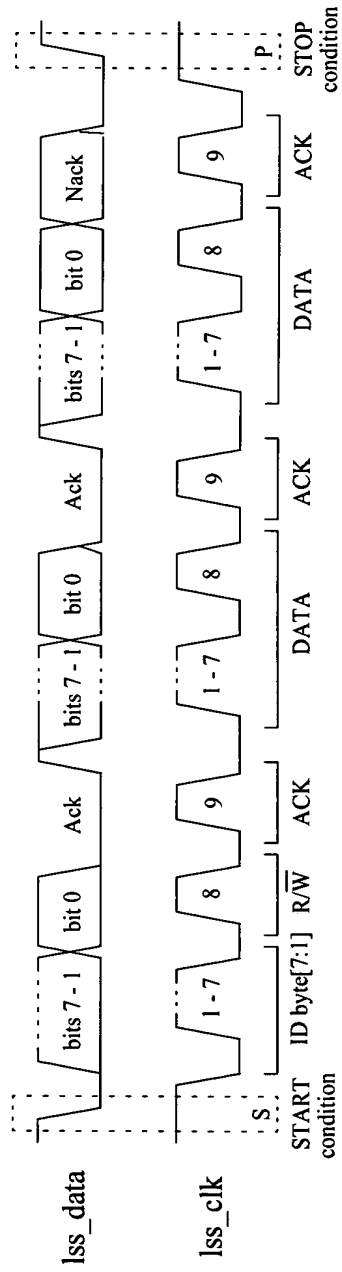


FIG. 77

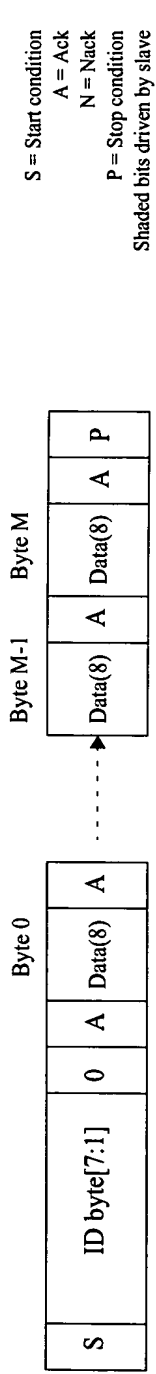


FIG. 78

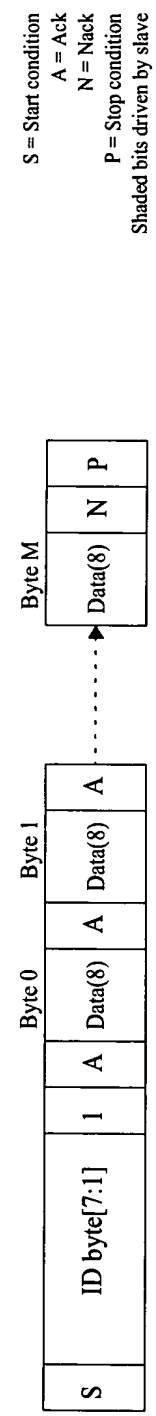


FIG. 79

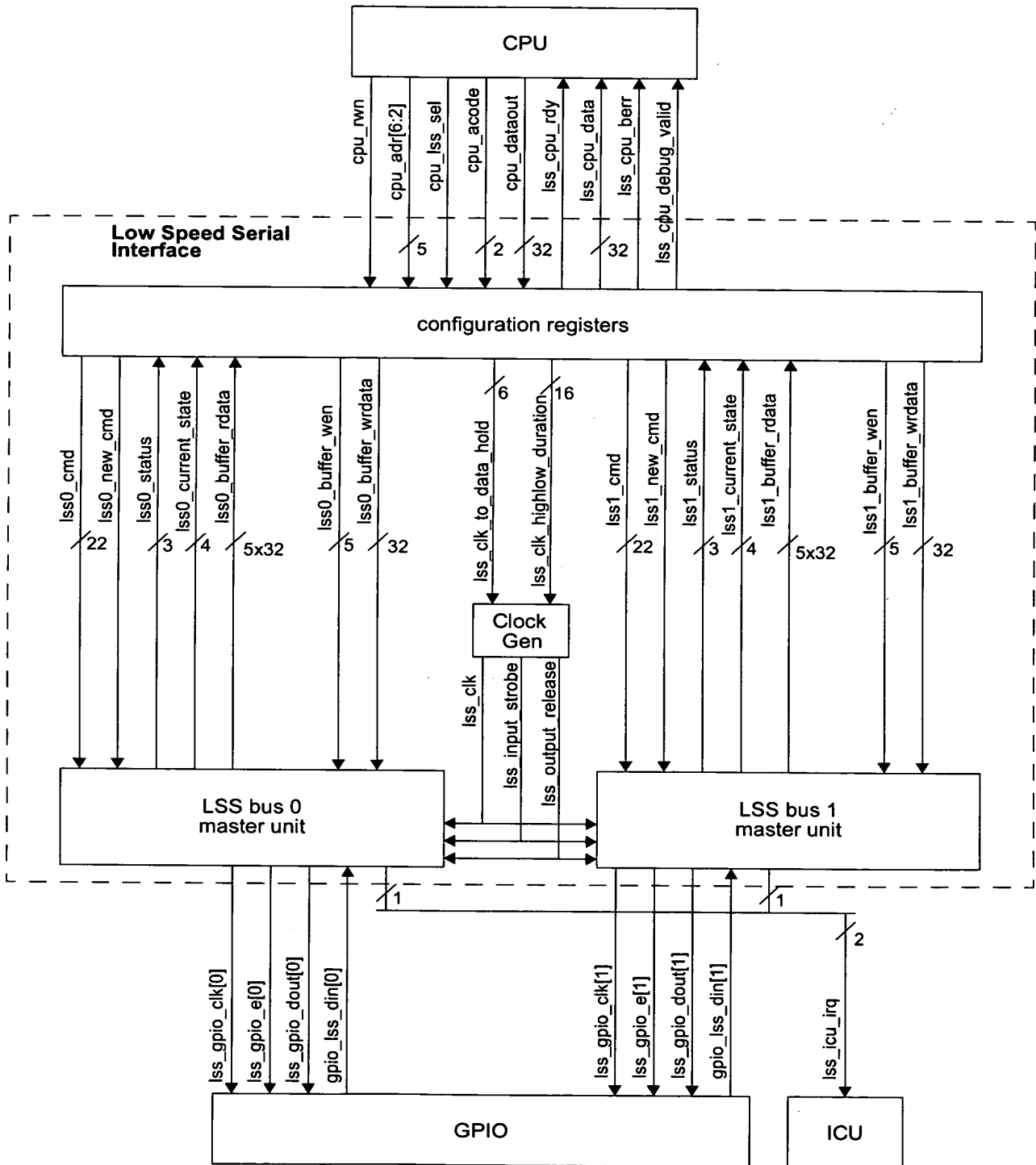


FIG. 80

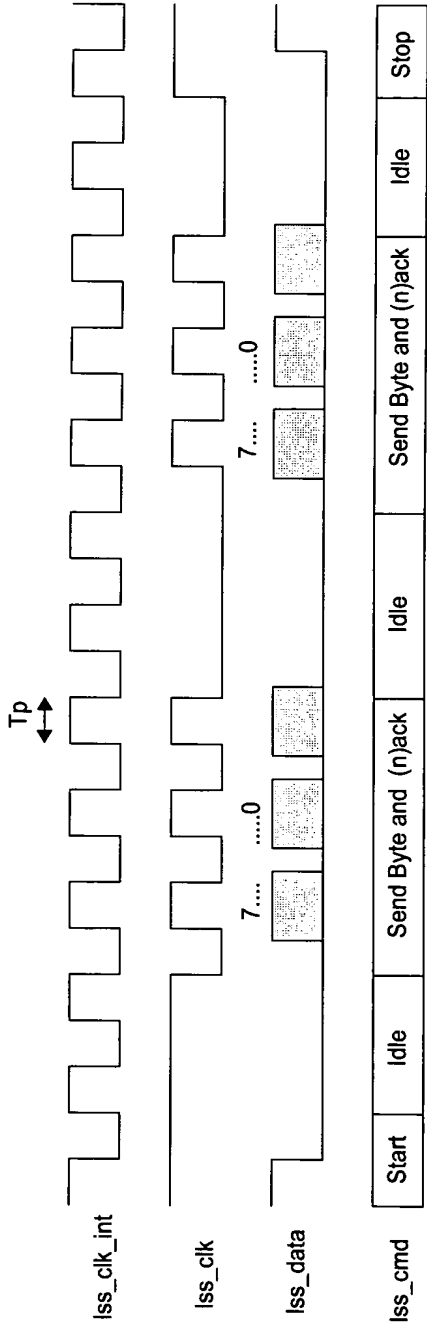


FIG. 81

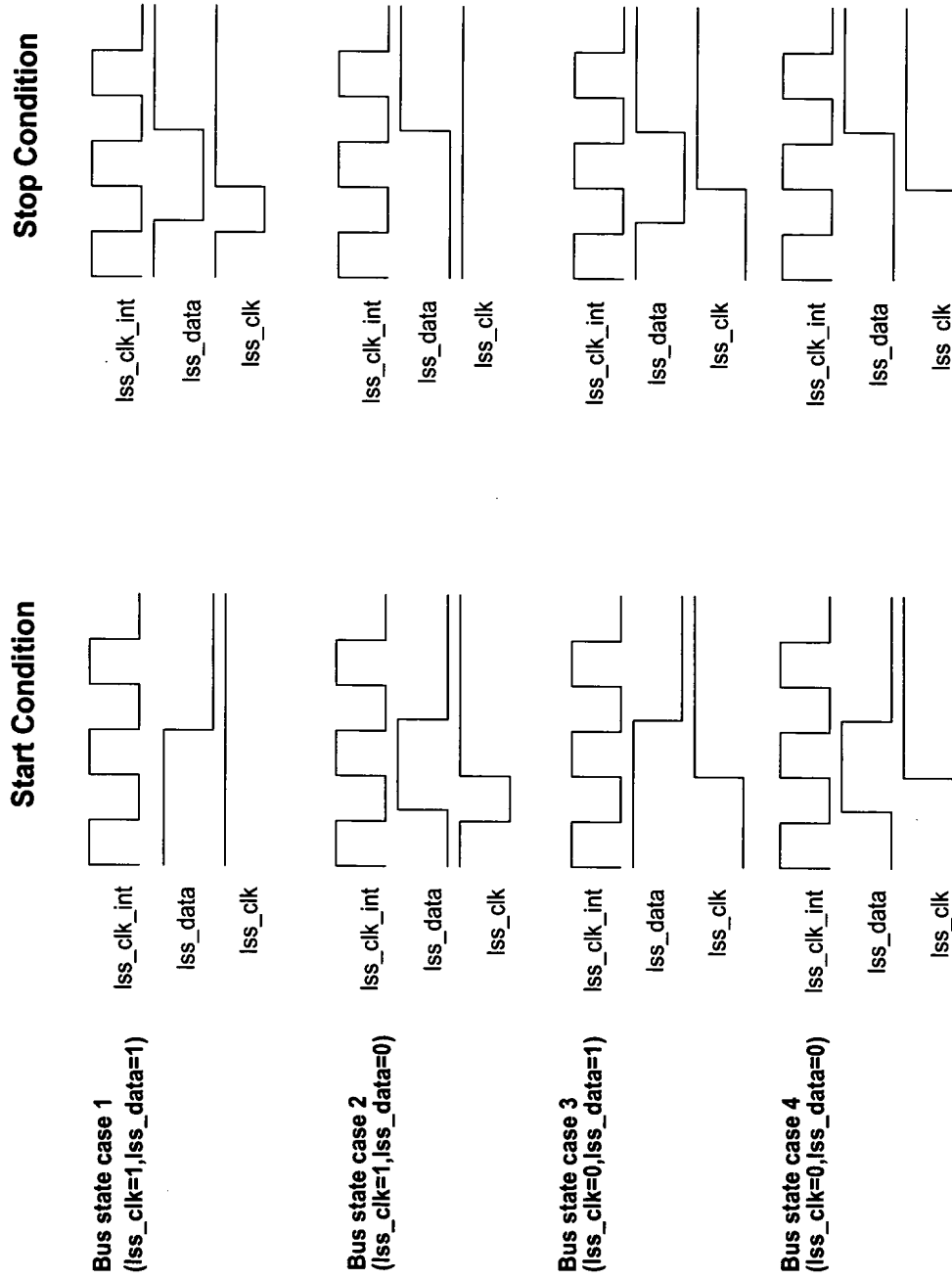


FIG. 82

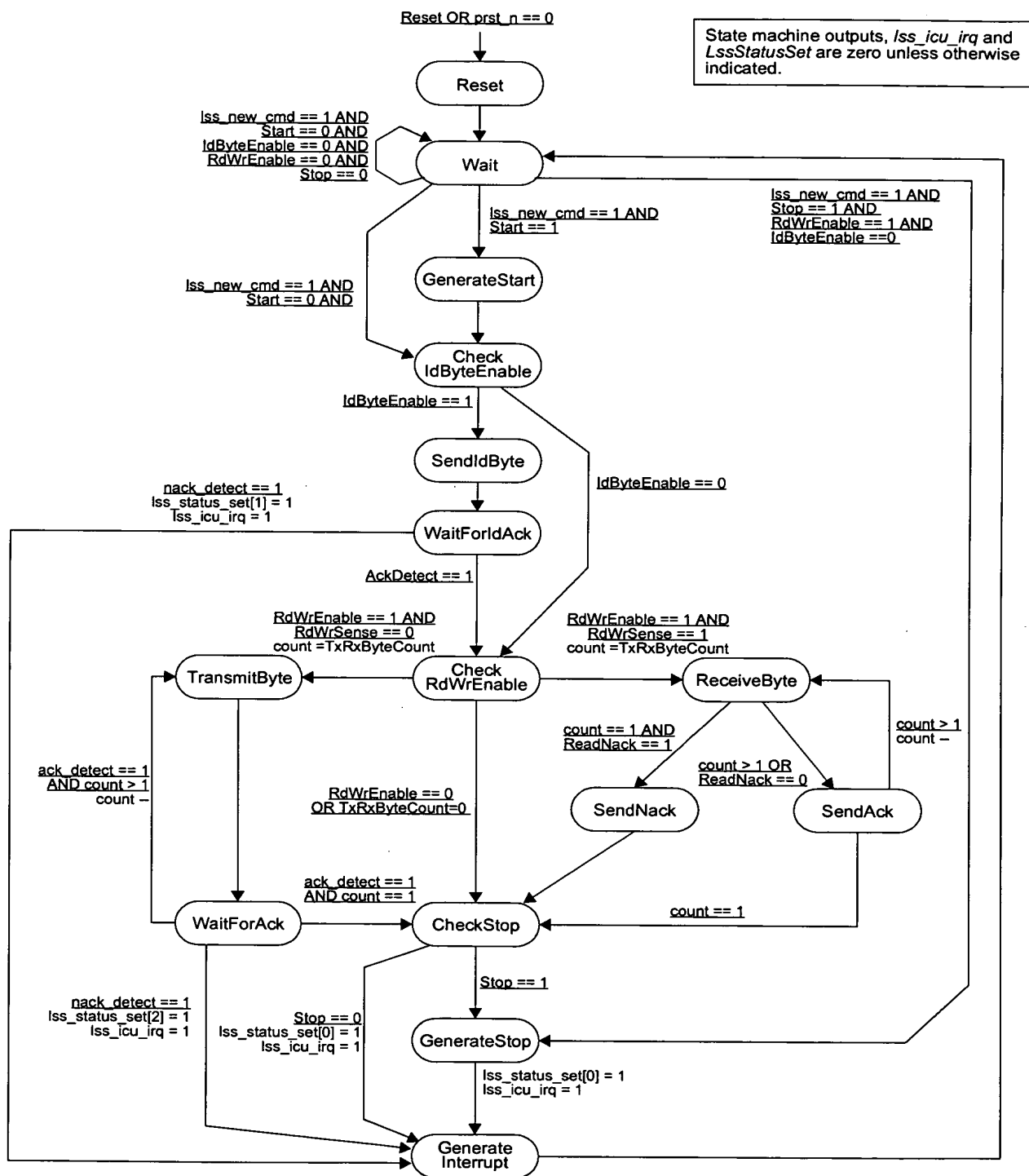


FIG. 83

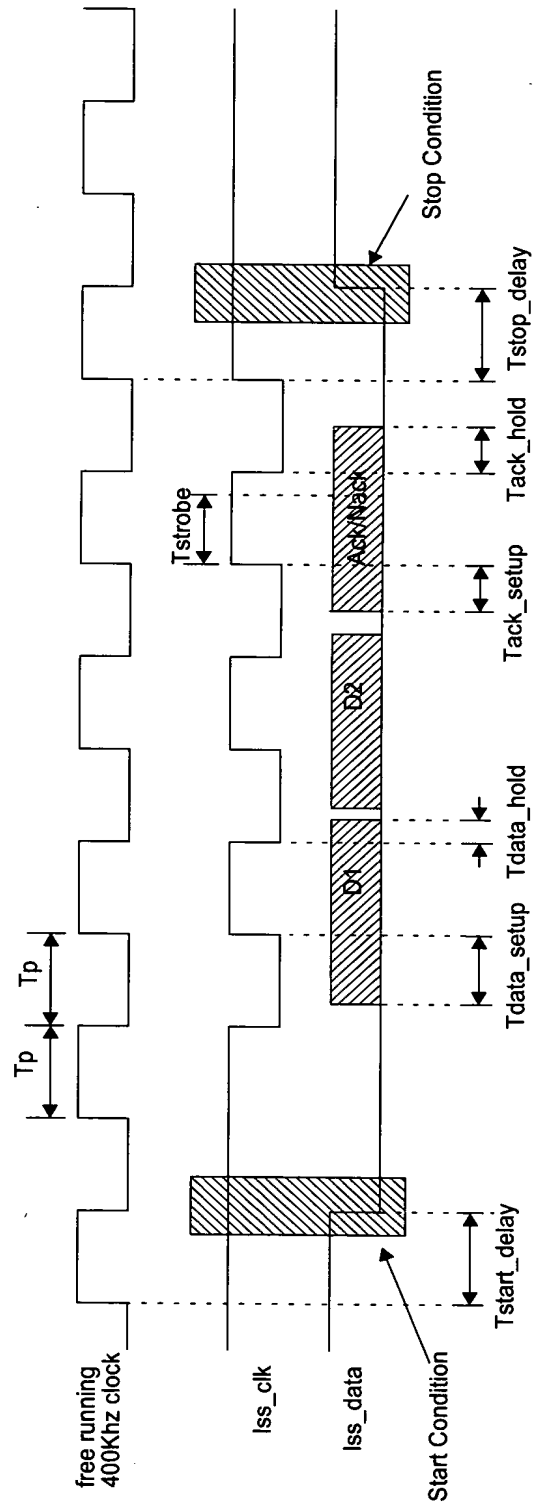


FIG. 84

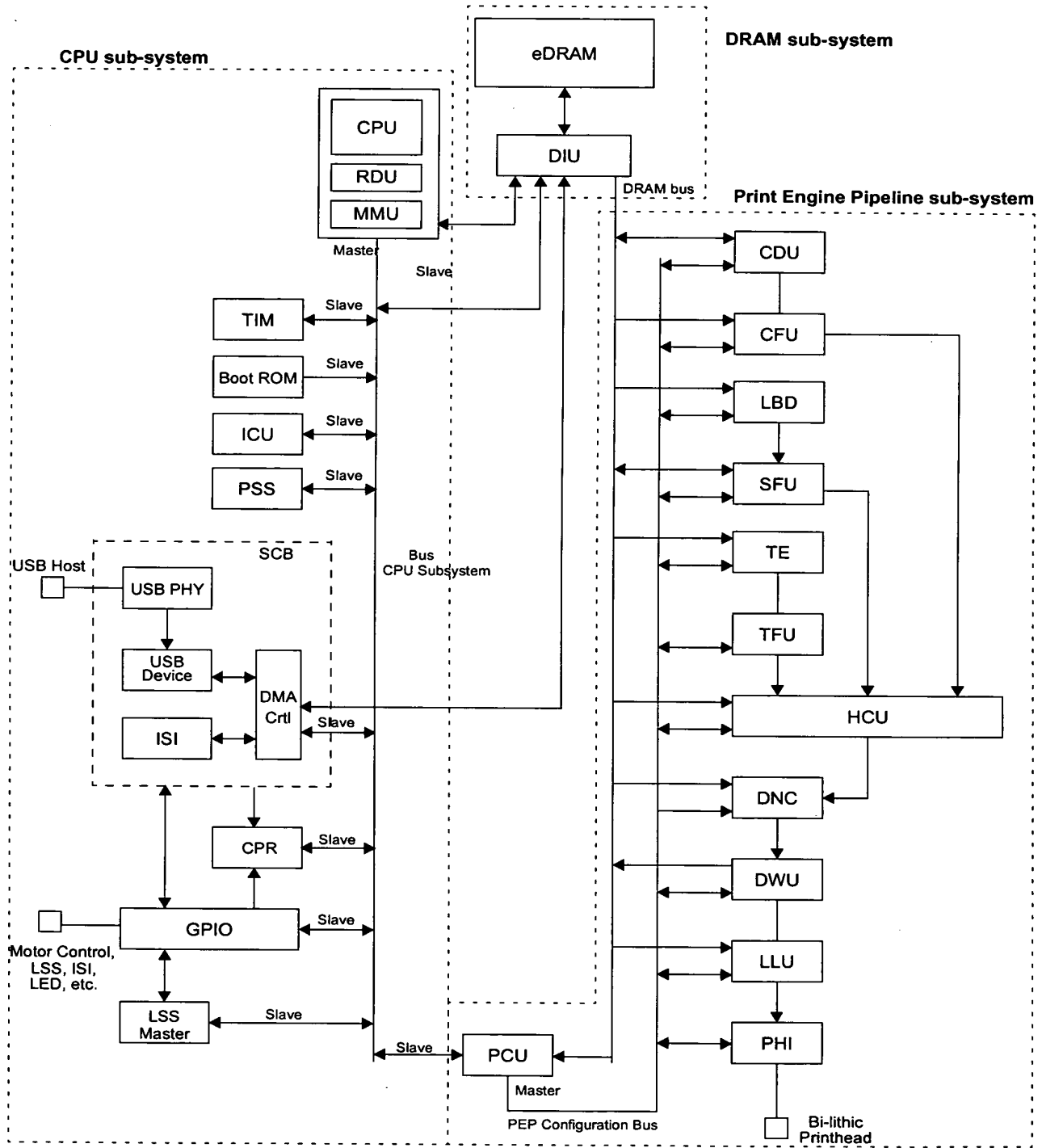


FIG. 85

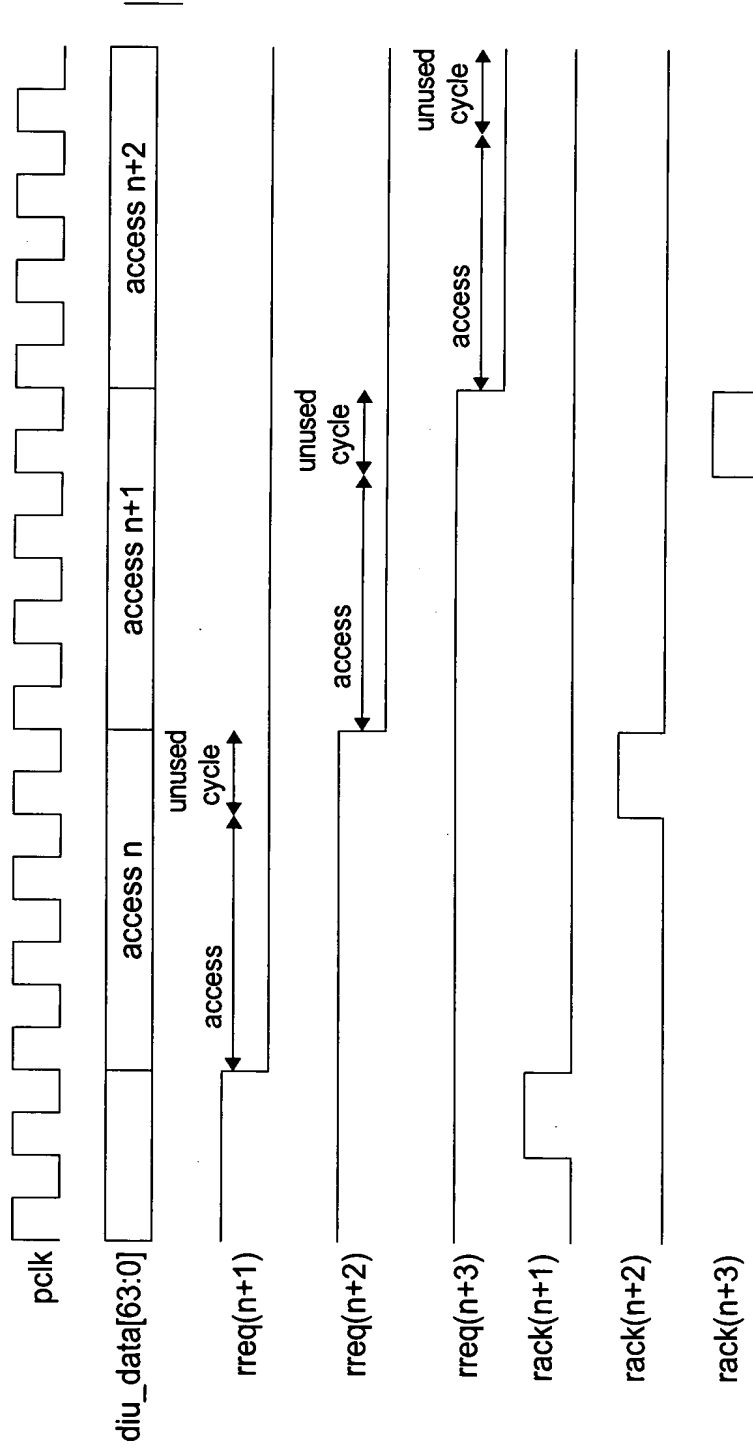


FIG. 86

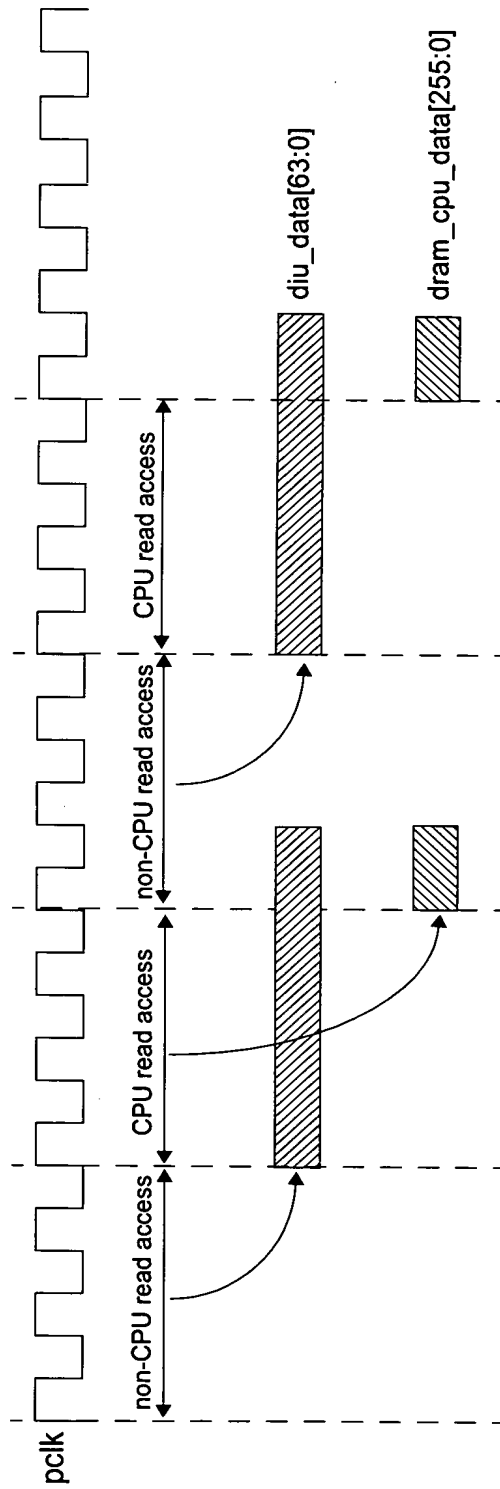


FIG. 87

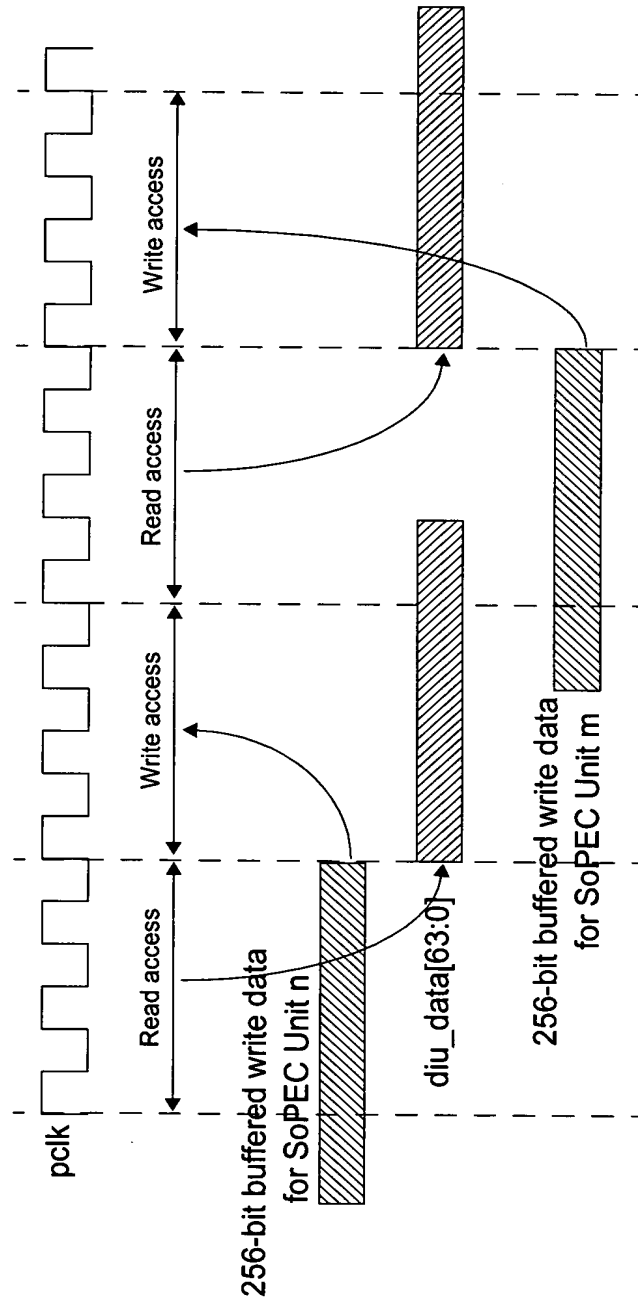


FIG. 88

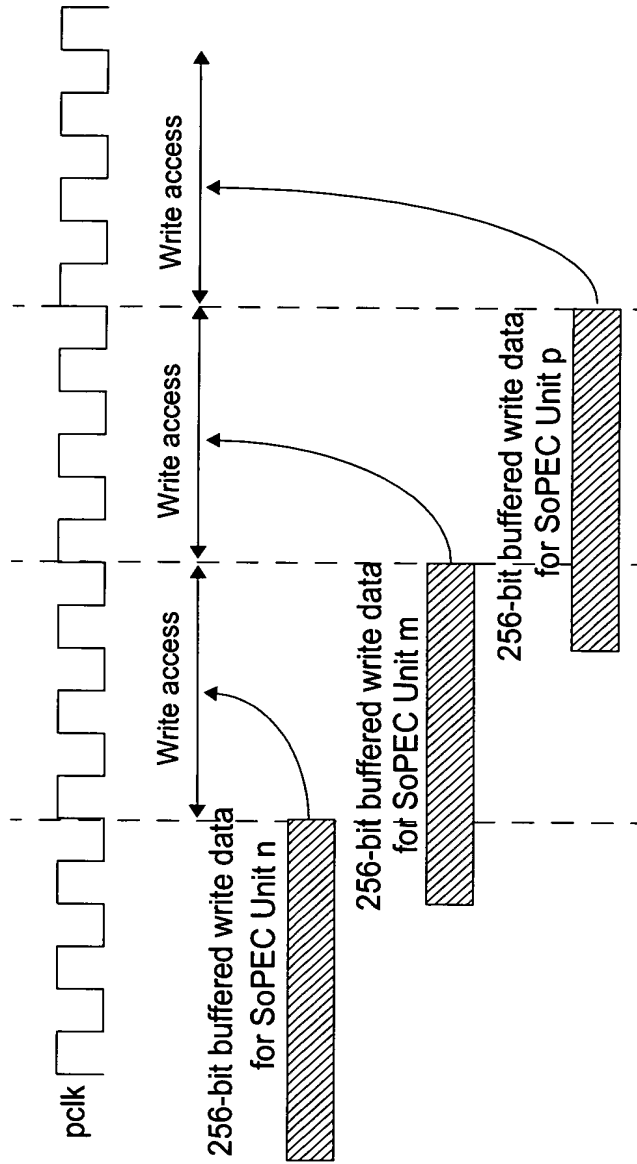


FIG. 89

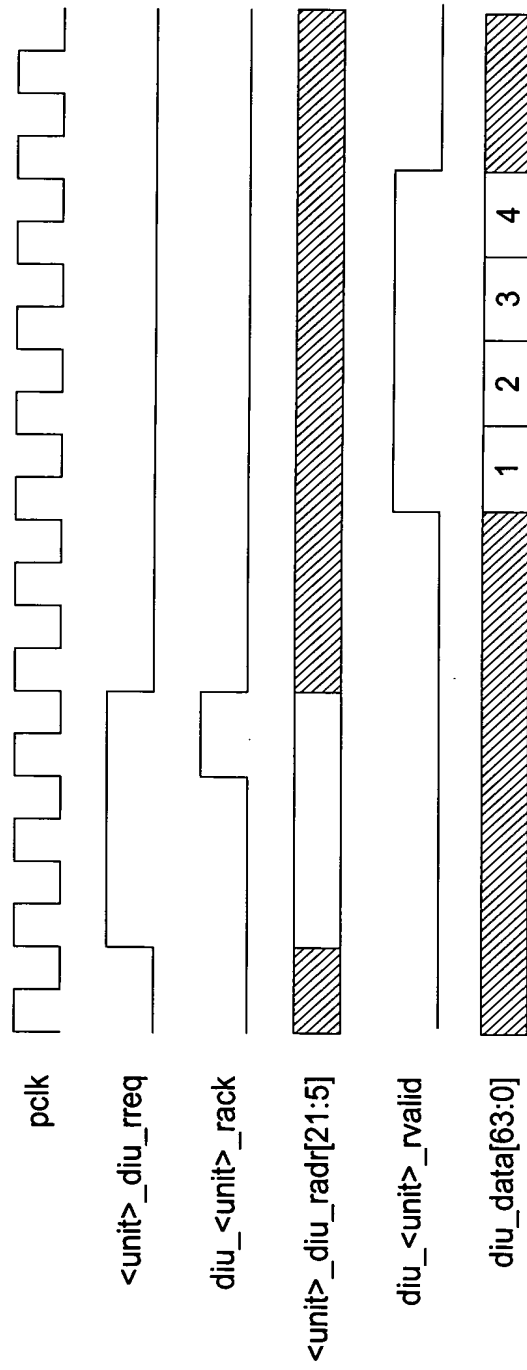


FIG. 90

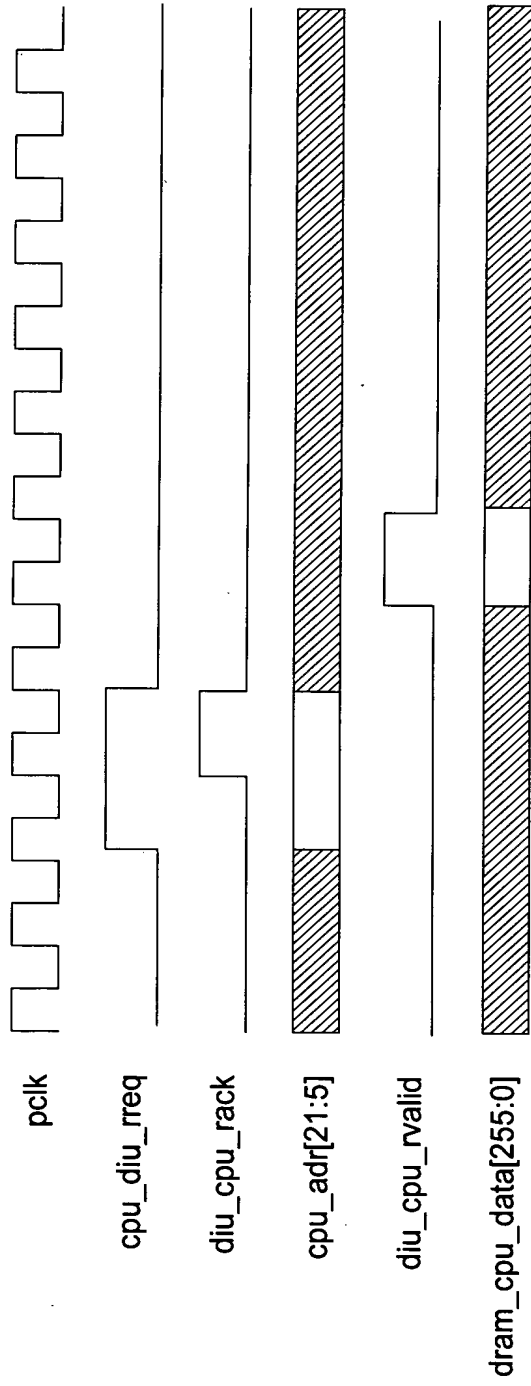


FIG. 91

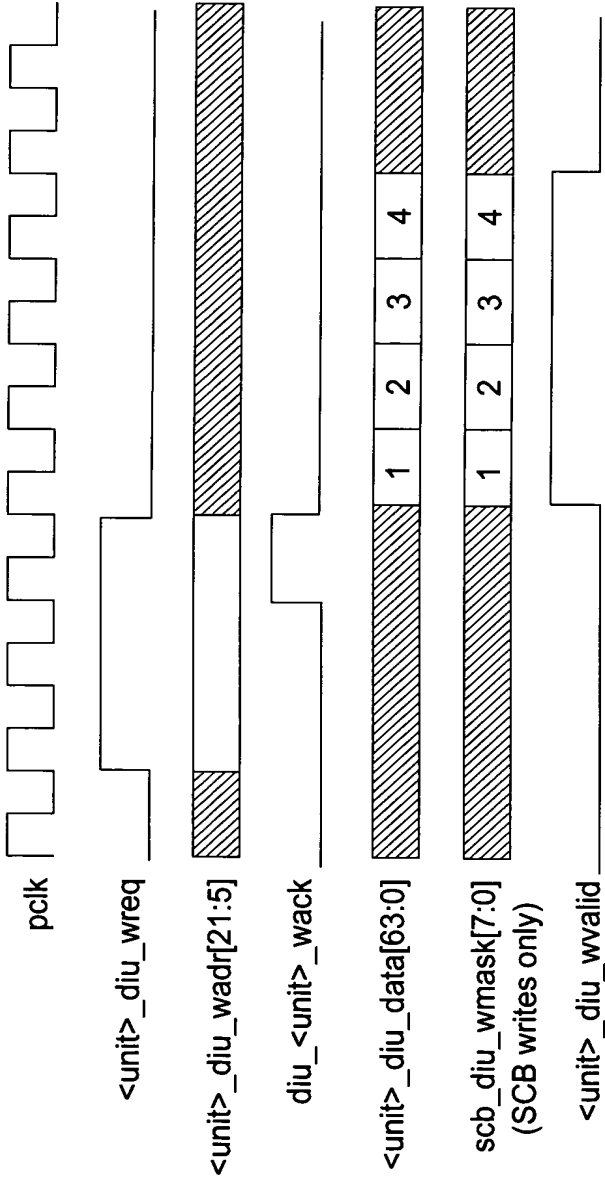


FIG. 92

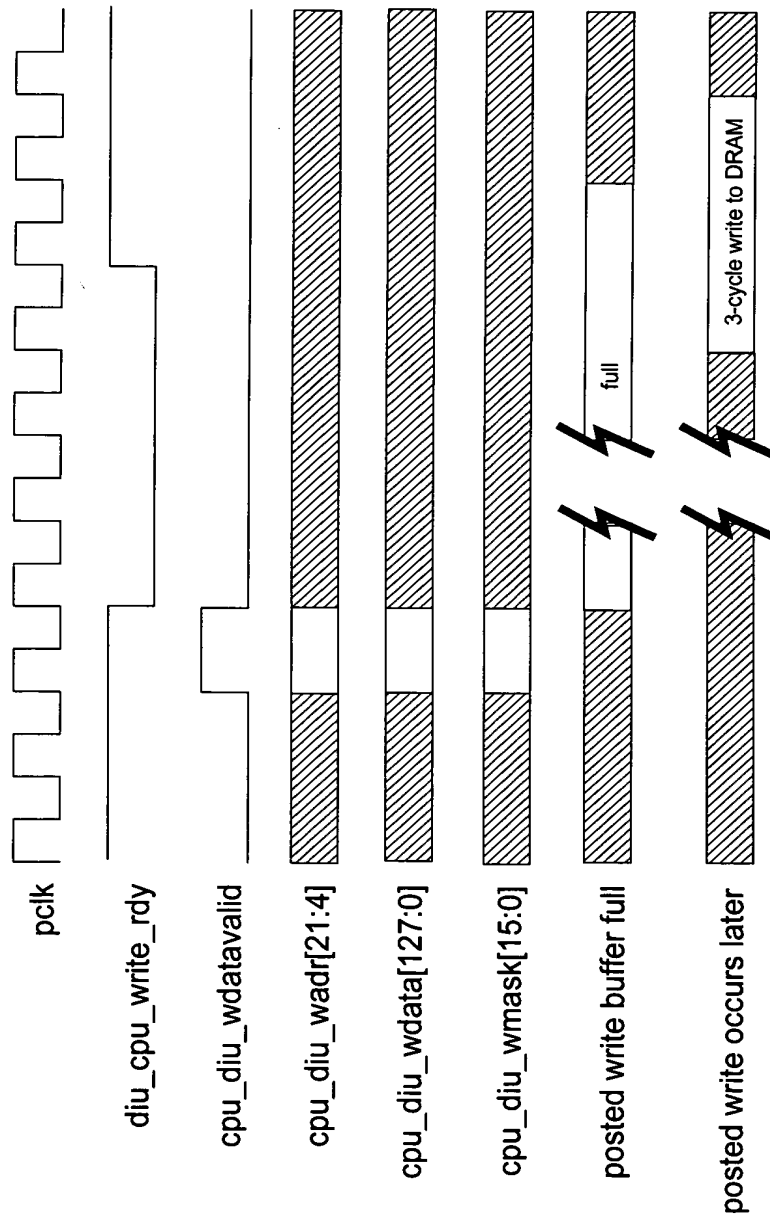


FIG. 93

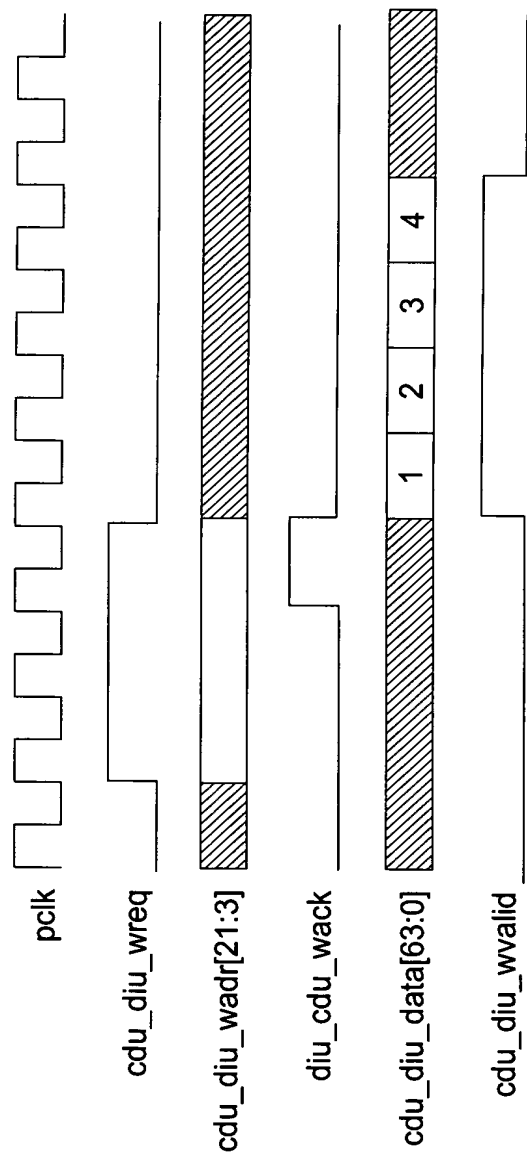
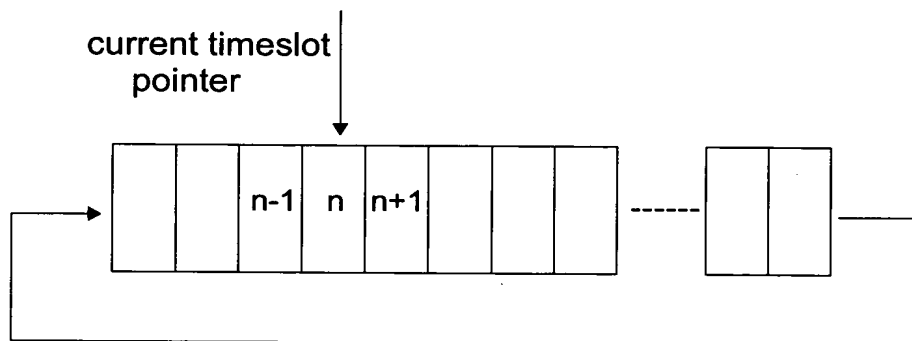
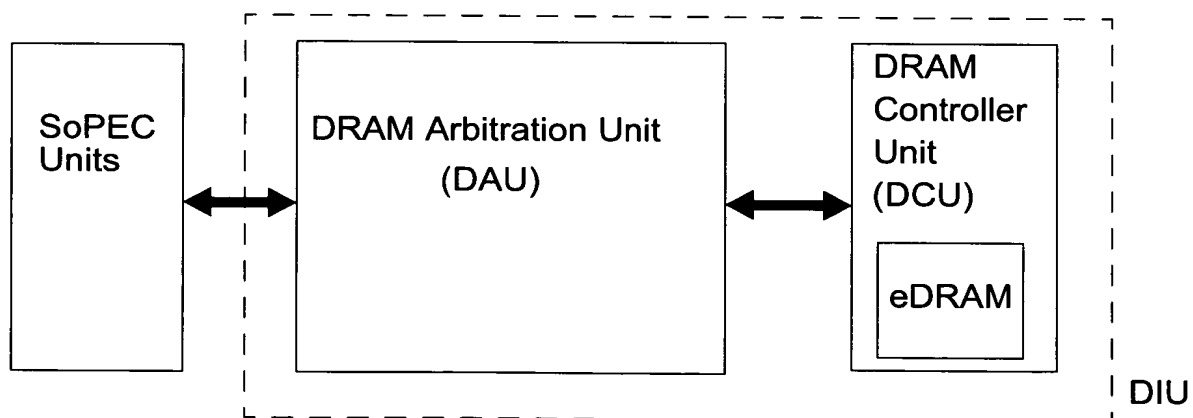


FIG. 94

*FIG. 95**FIG. 100*

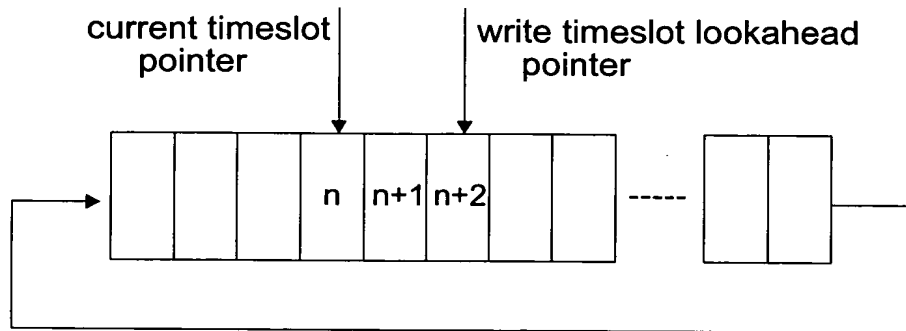


FIG. 96

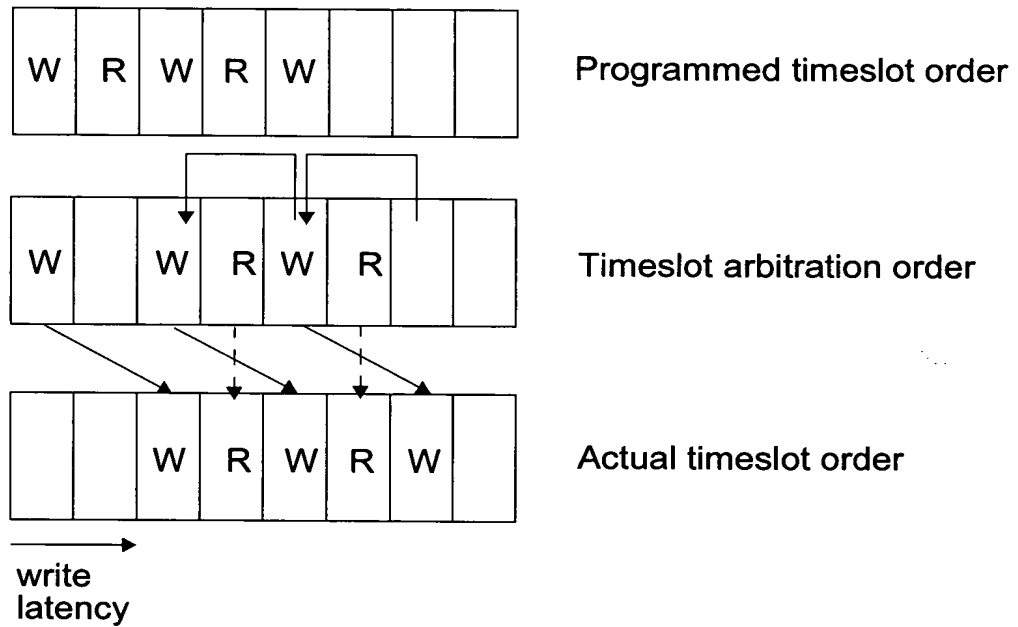


FIG. 97

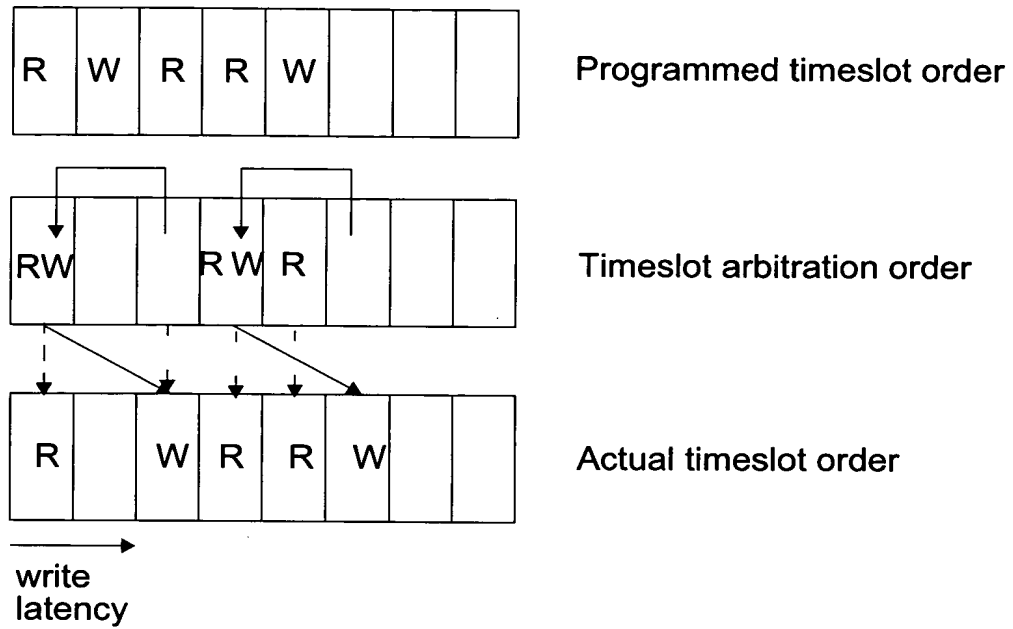


FIG. 98

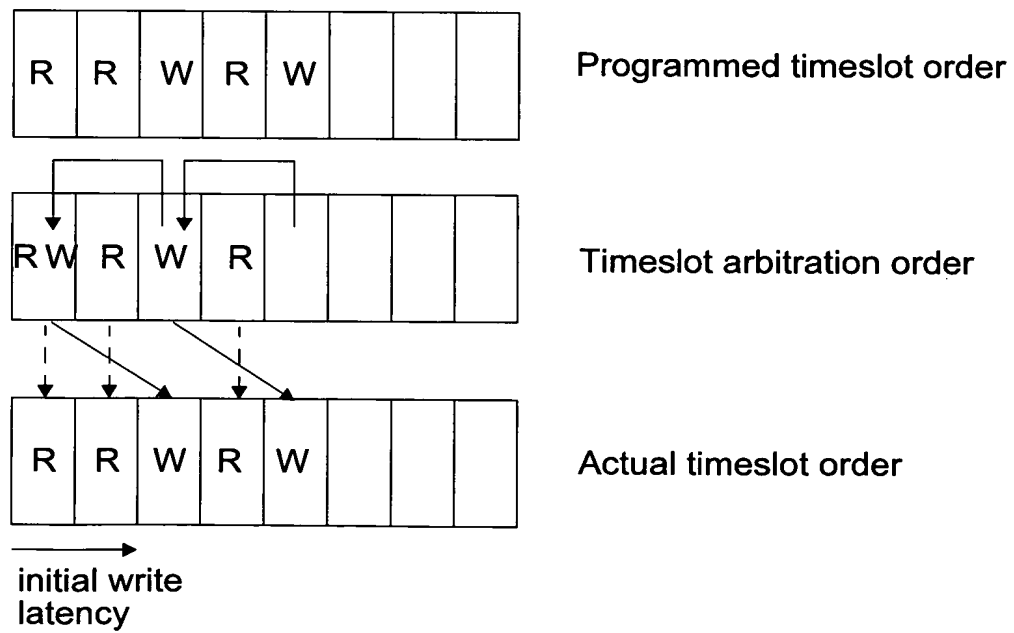


FIG. 99

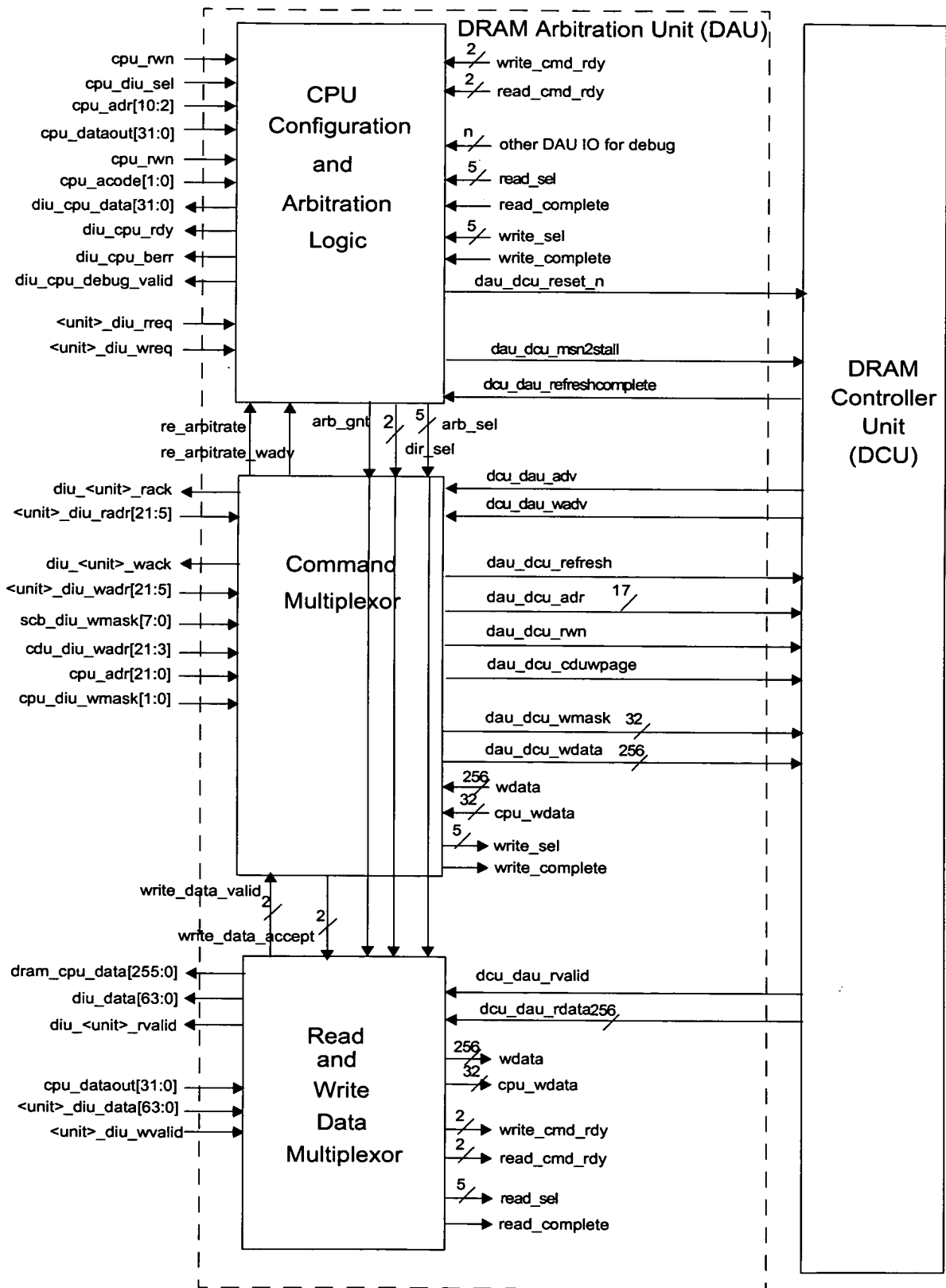


FIG. 101

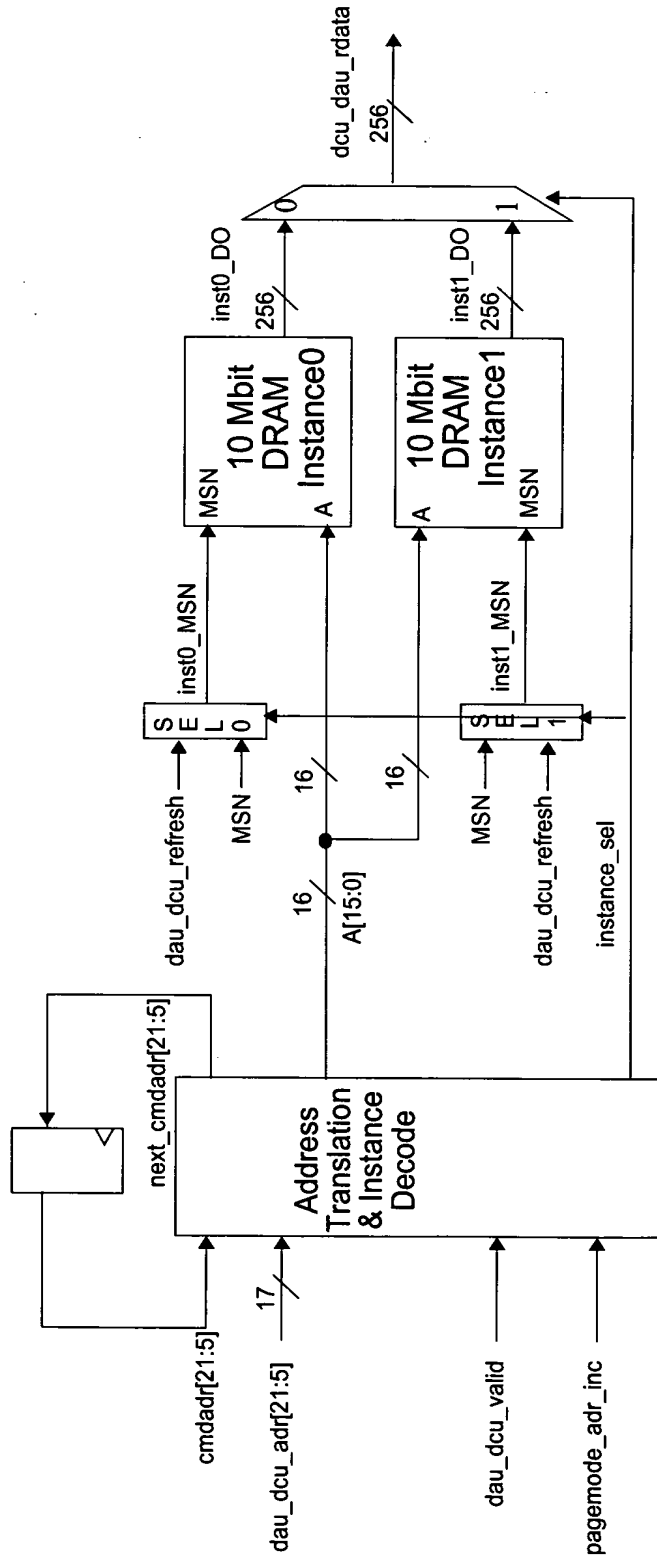


FIG. 102

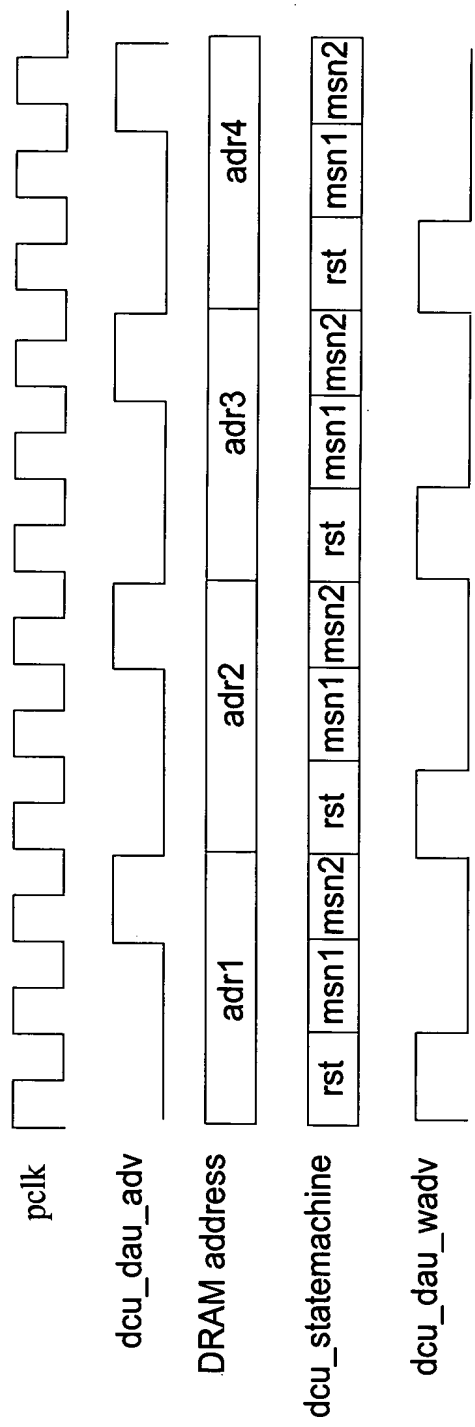


FIG. 103

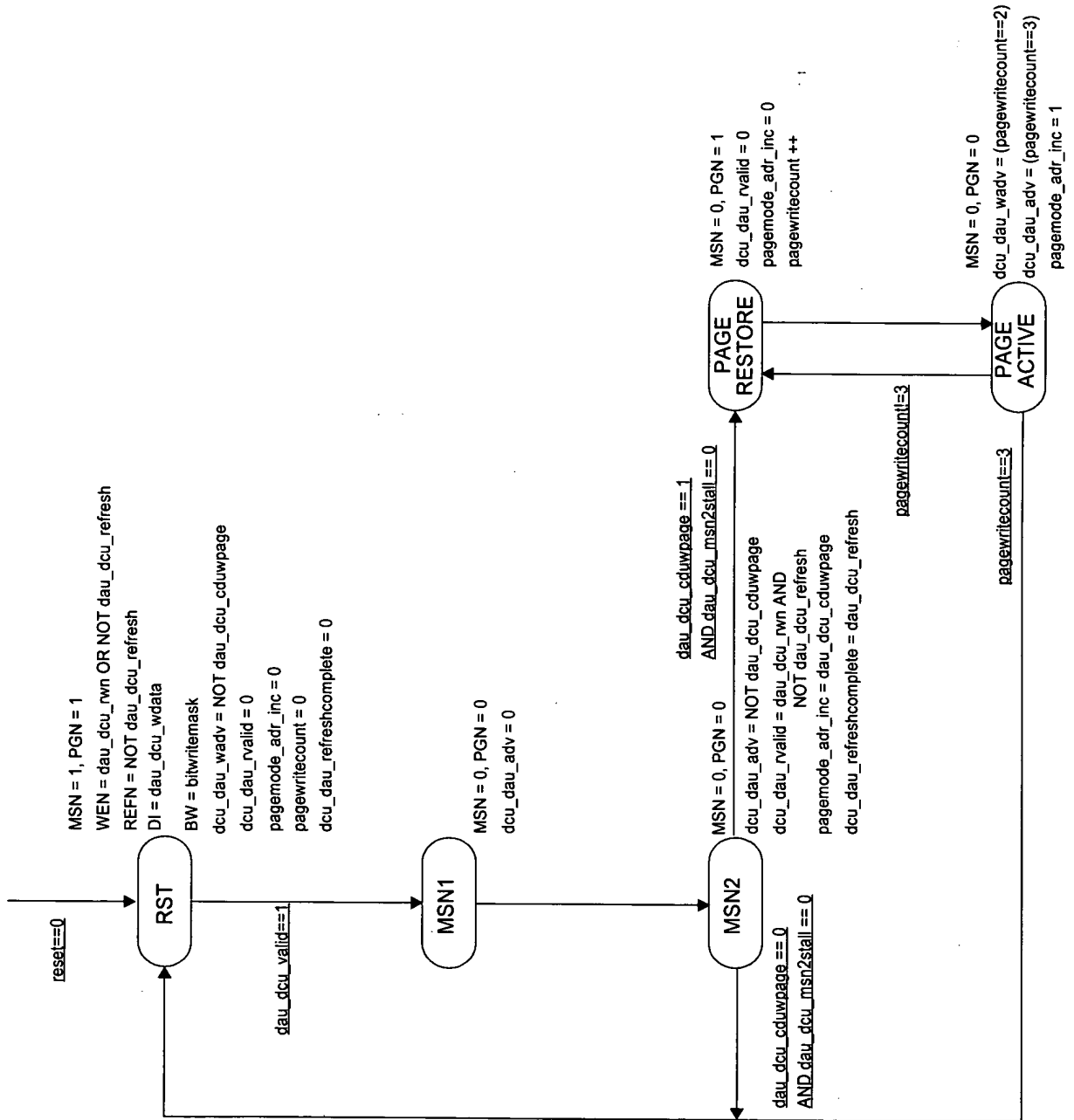


FIG. 104

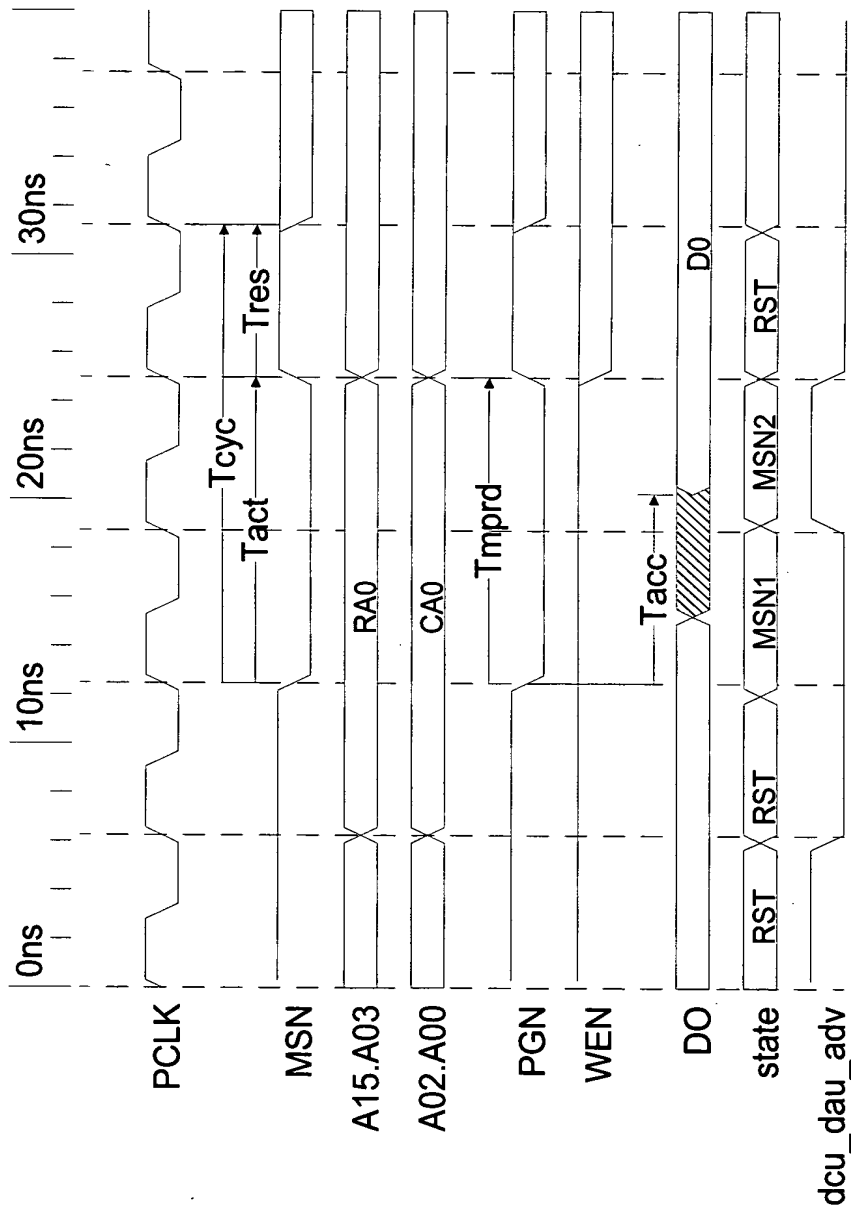


FIG. 105

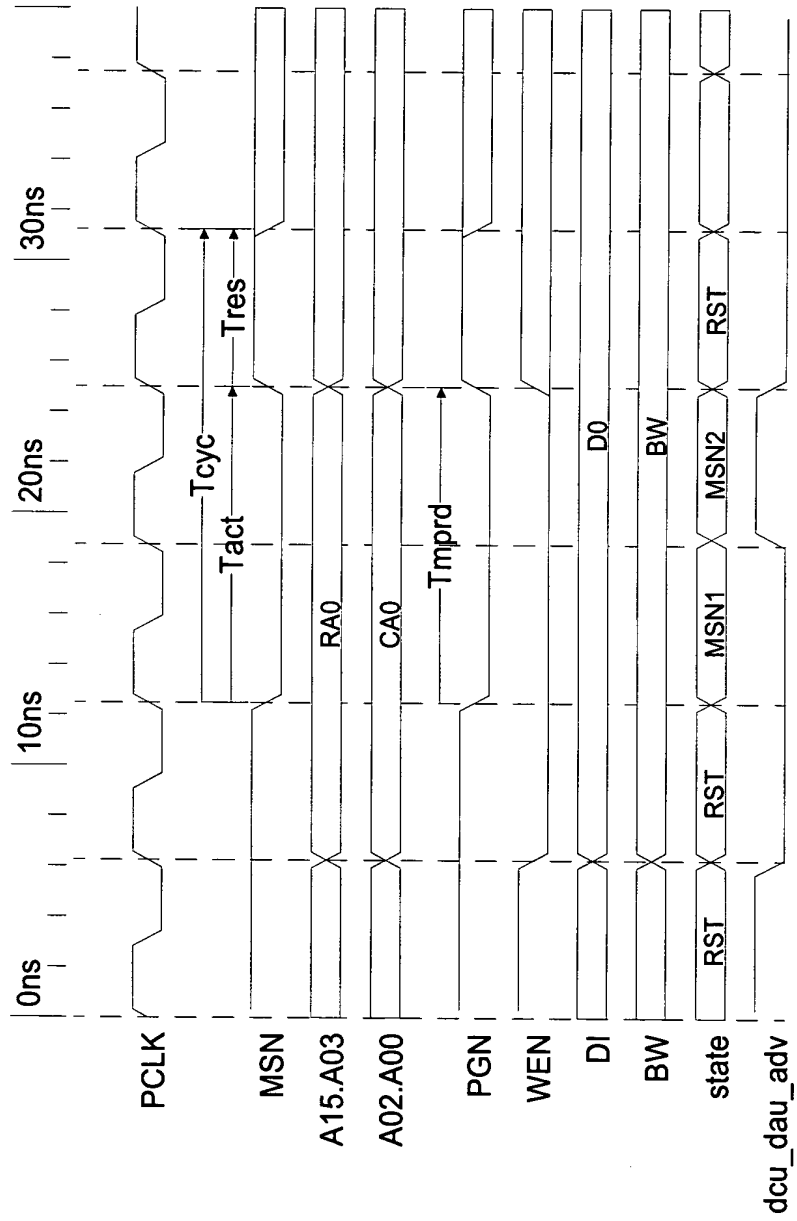


FIG. 106

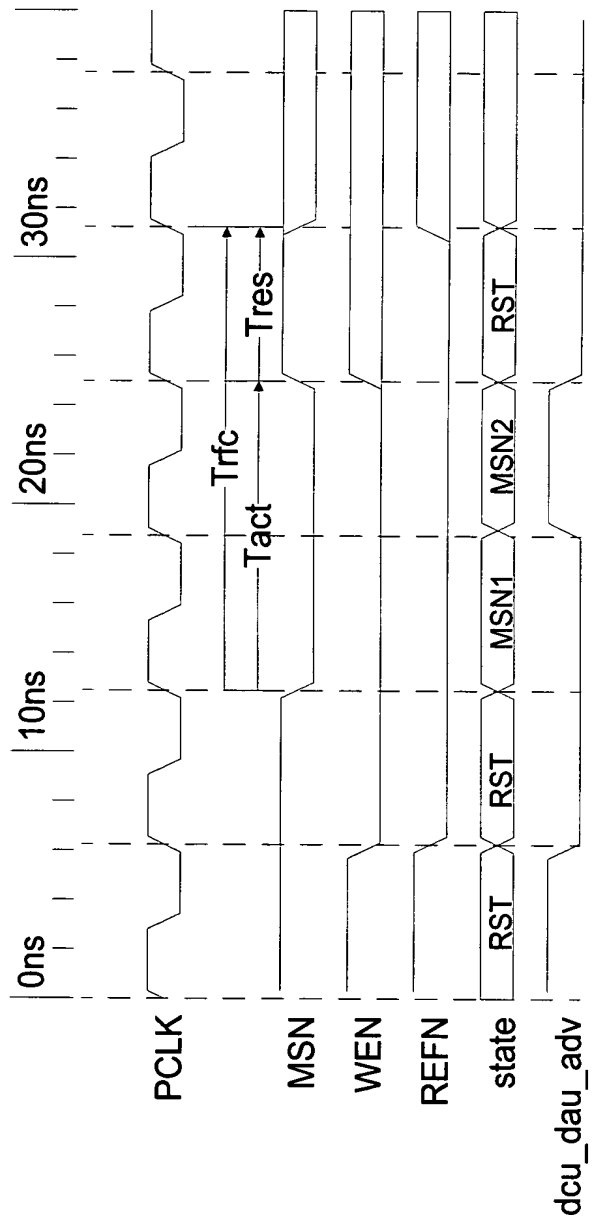


FIG. 107

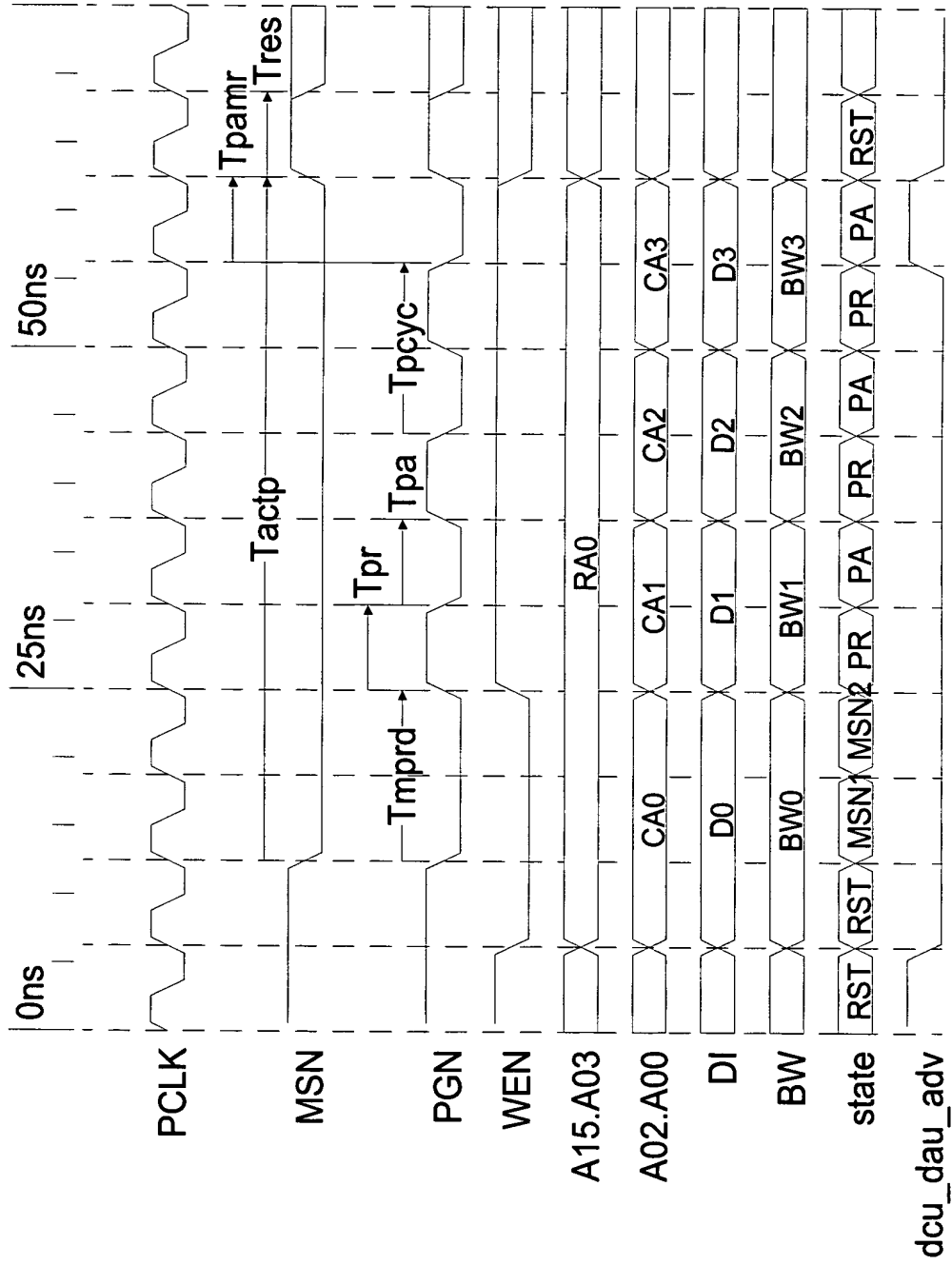


FIG. 108

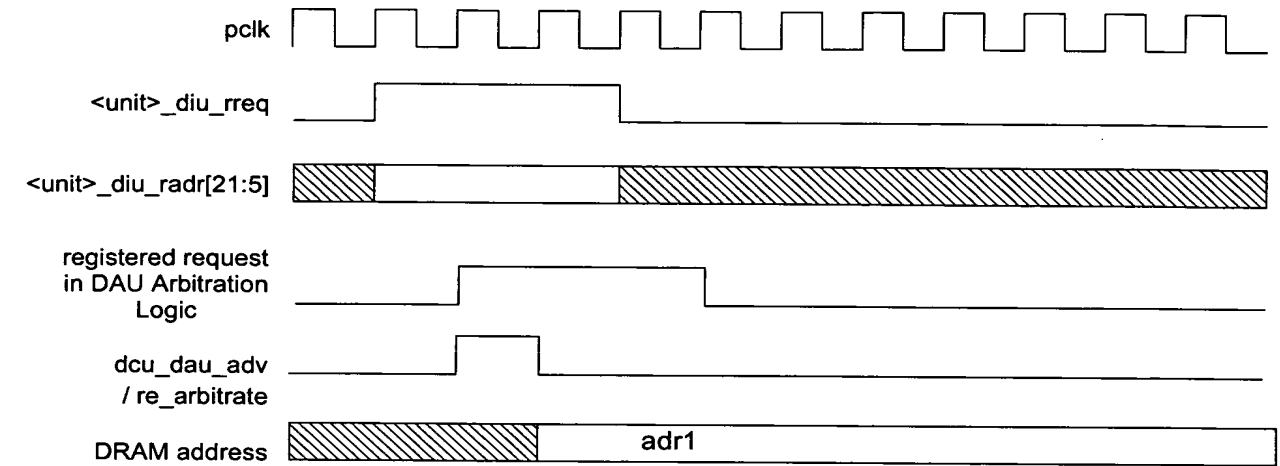
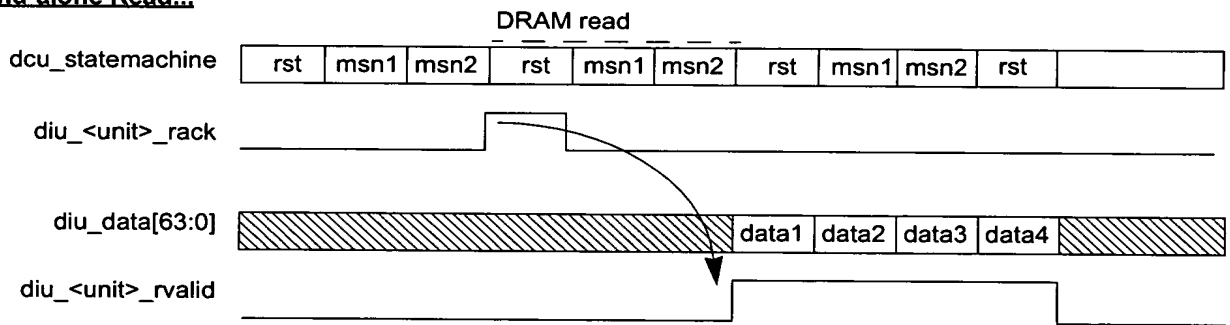
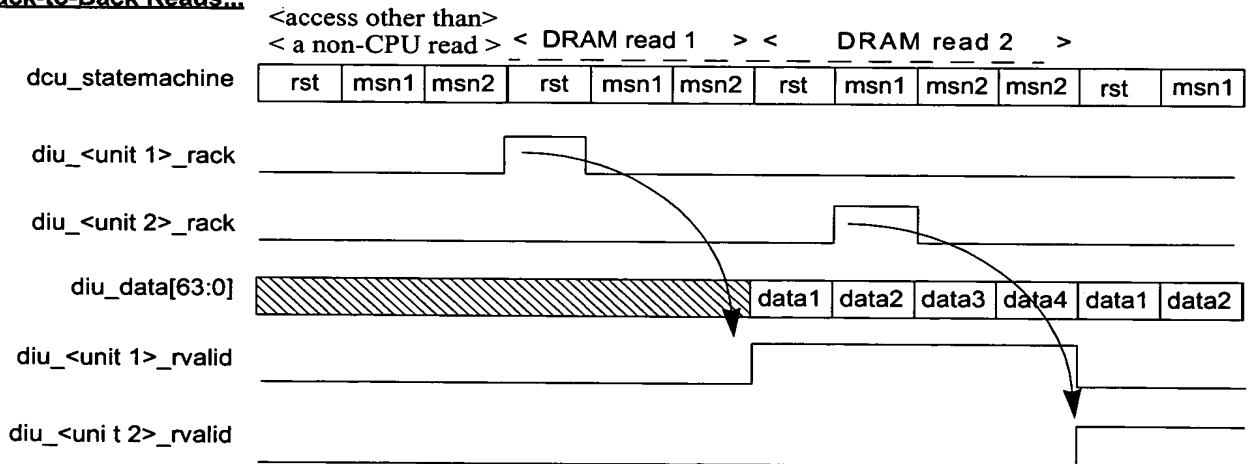
**Stand-alone Read...****Back-to-Back Reads...**

FIG. 109

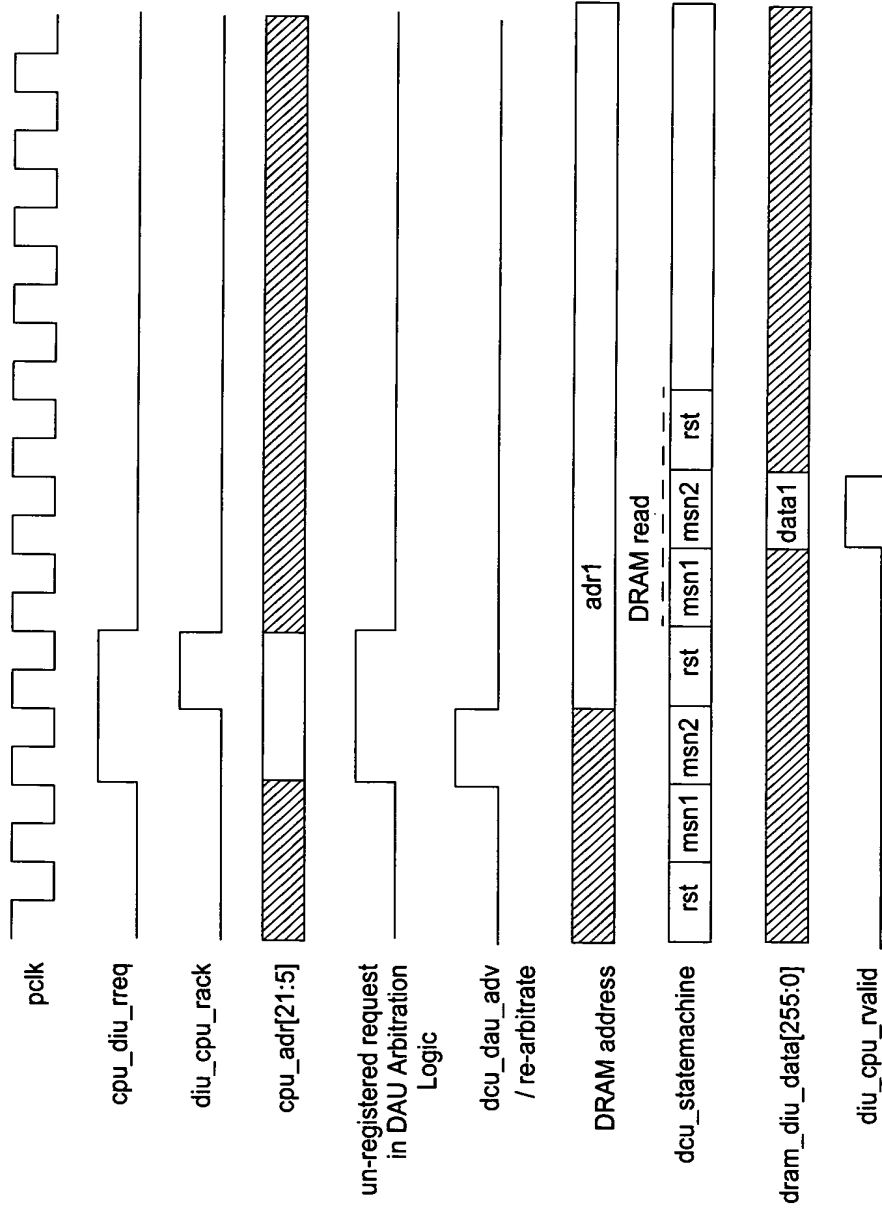


FIG. 110

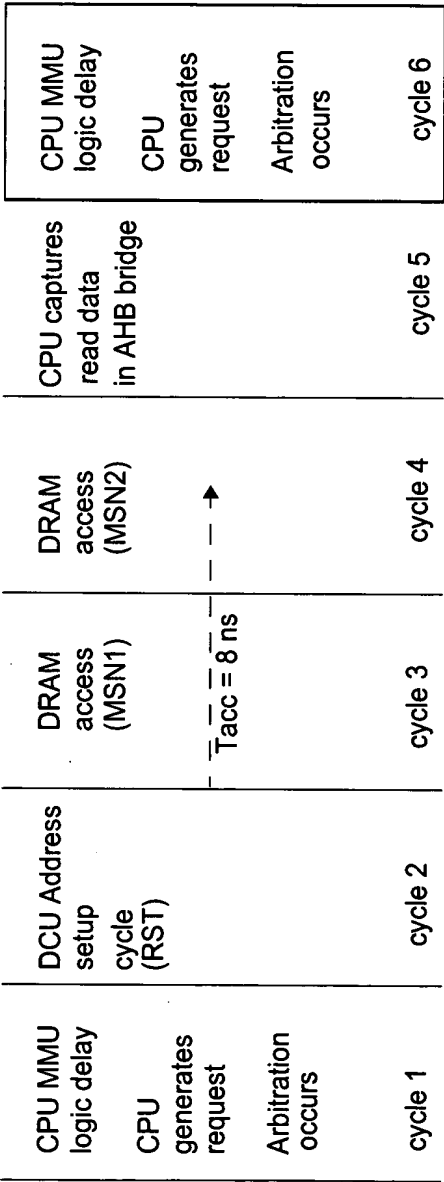


FIG. 111

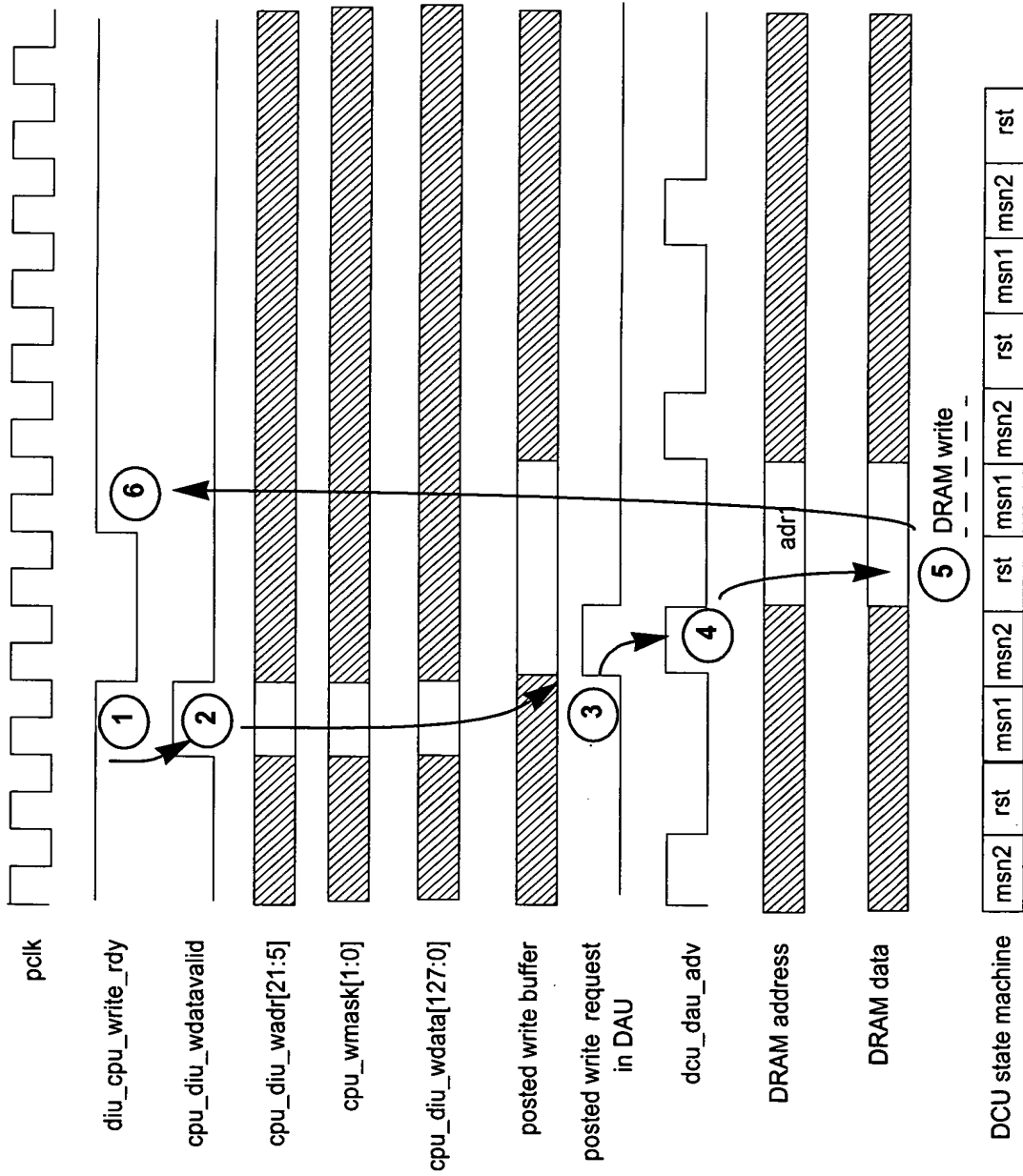


FIG. 112

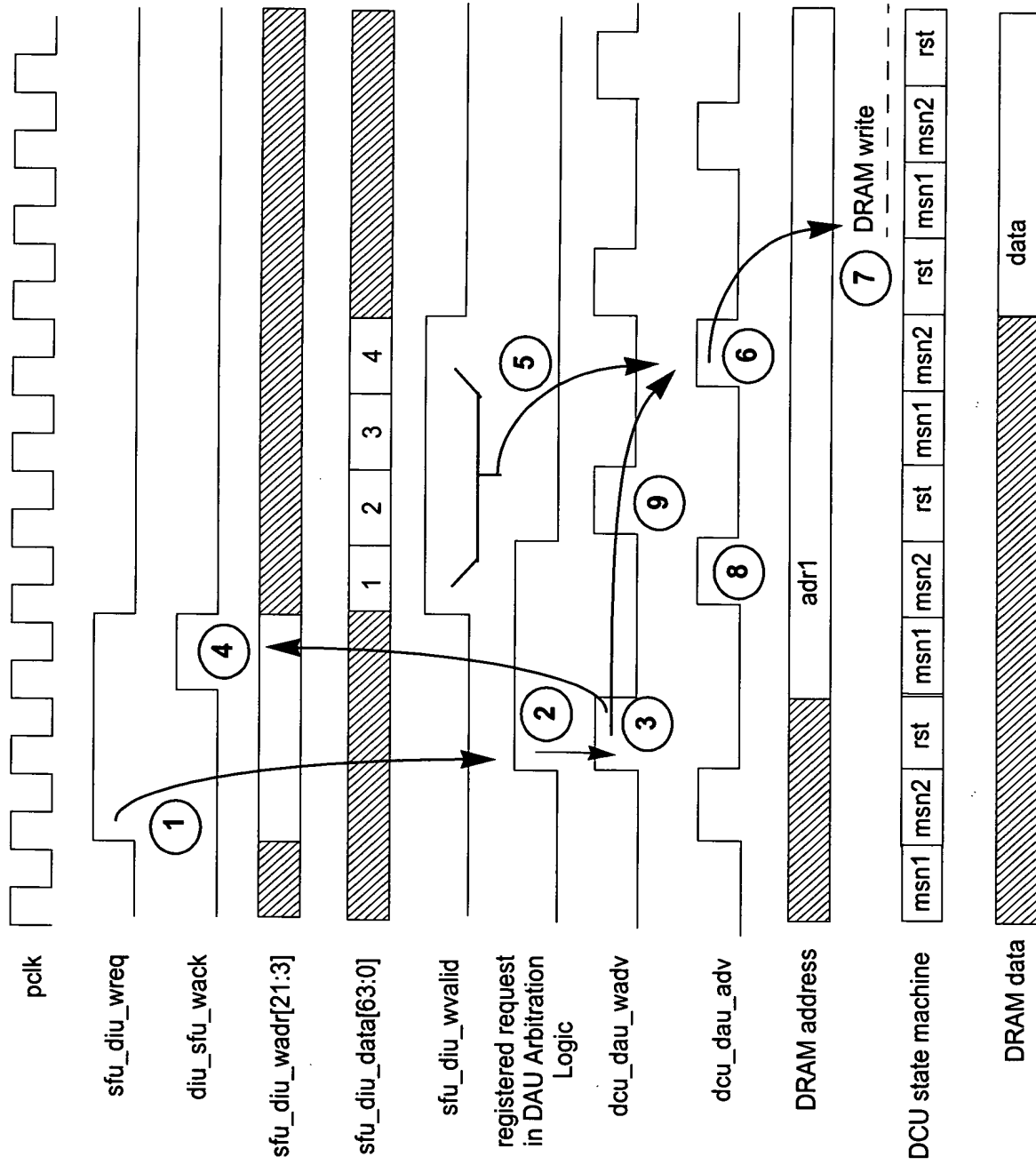


FIG. 113

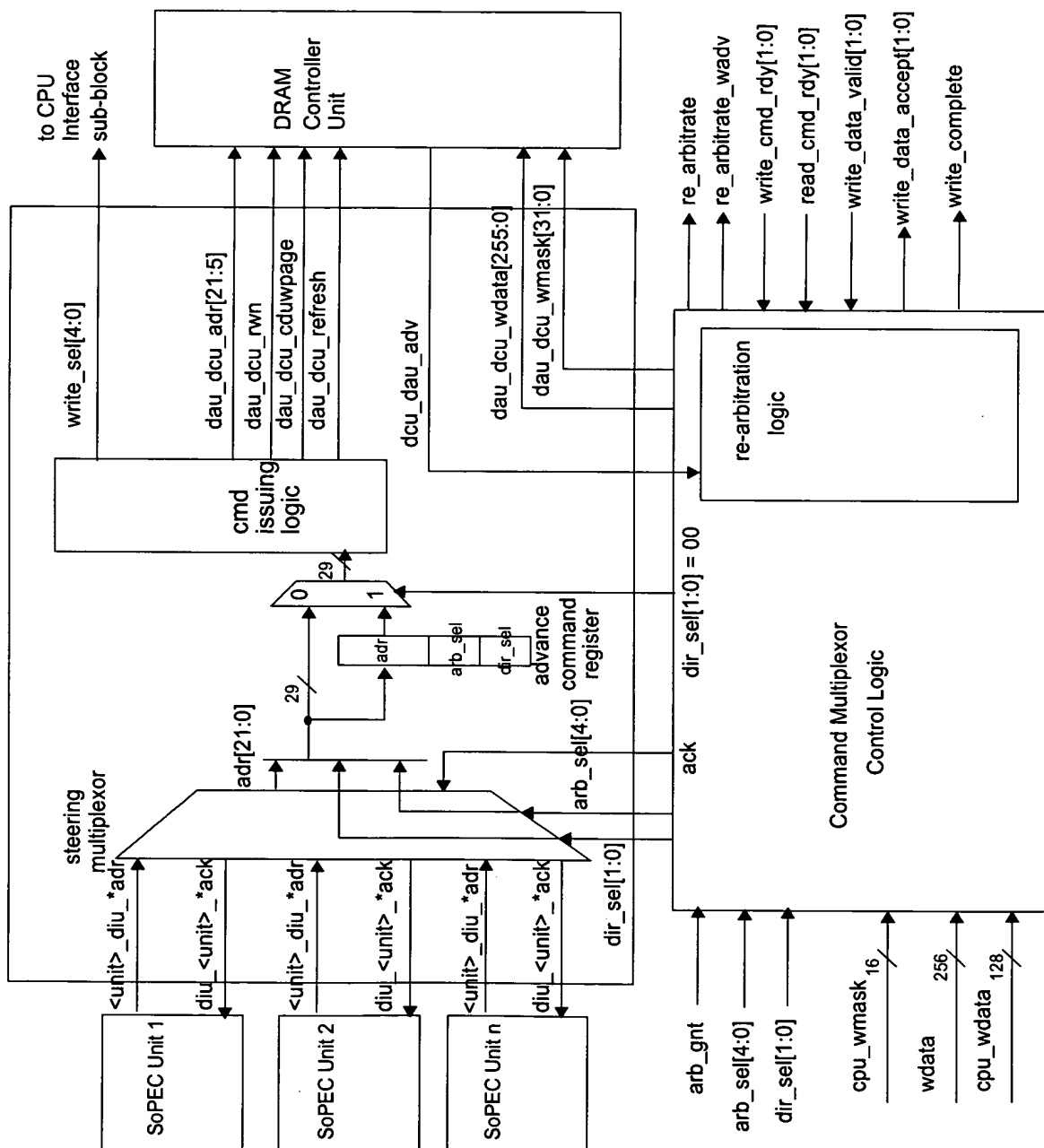


FIG. 115

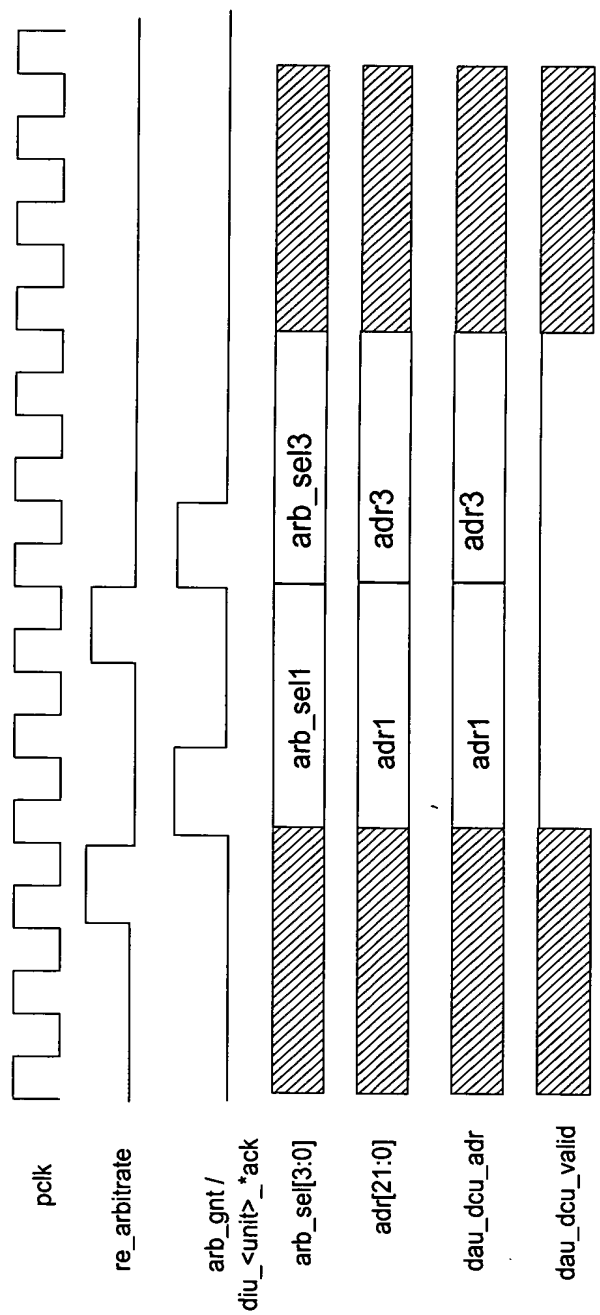


FIG. 116

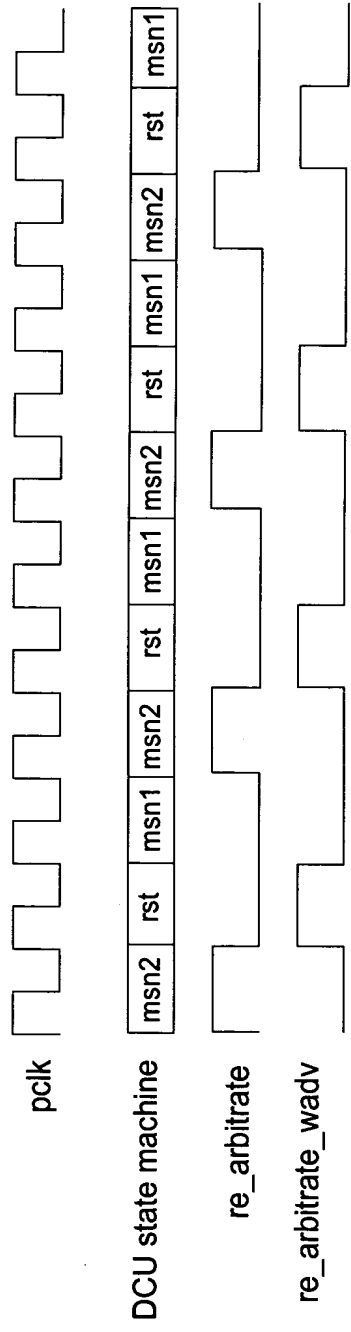


FIG. 117

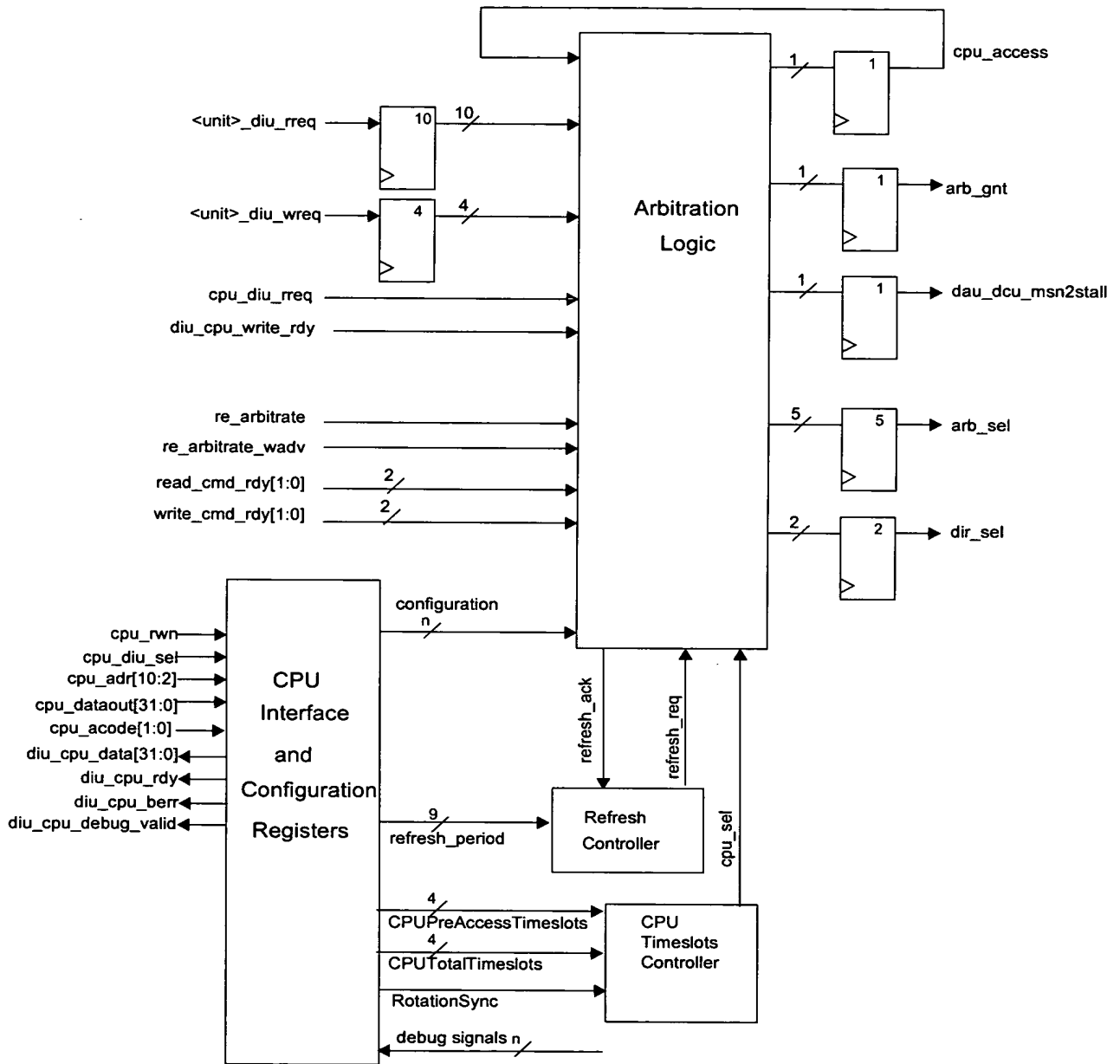


FIG. 118

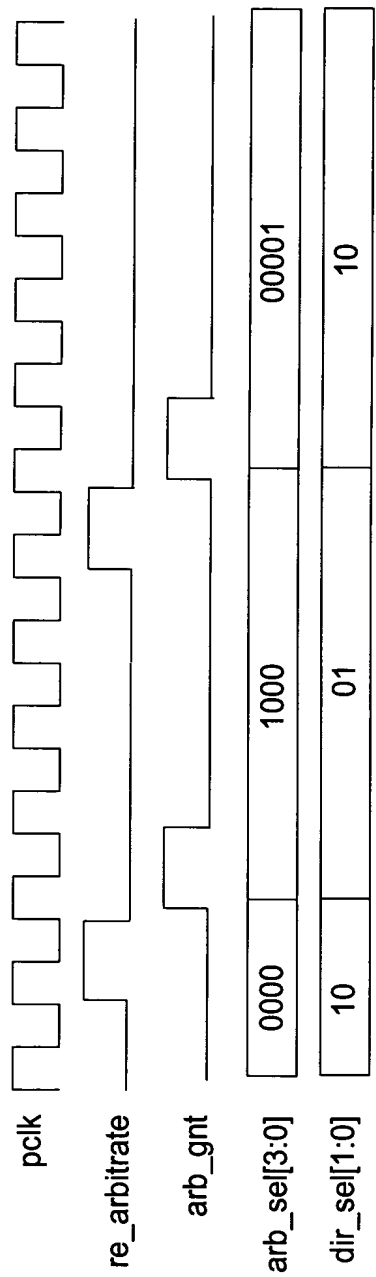


FIG. 119

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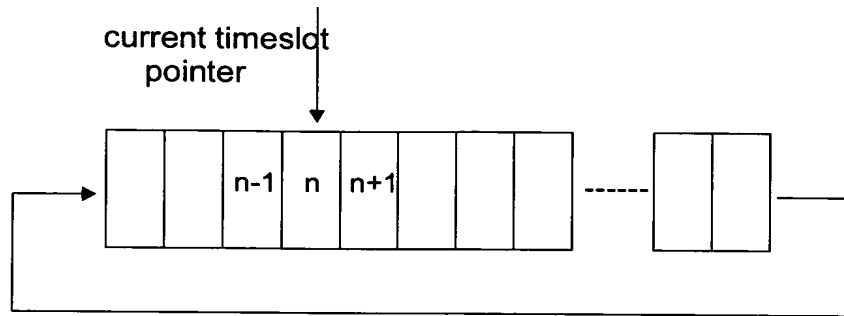


FIG. 121

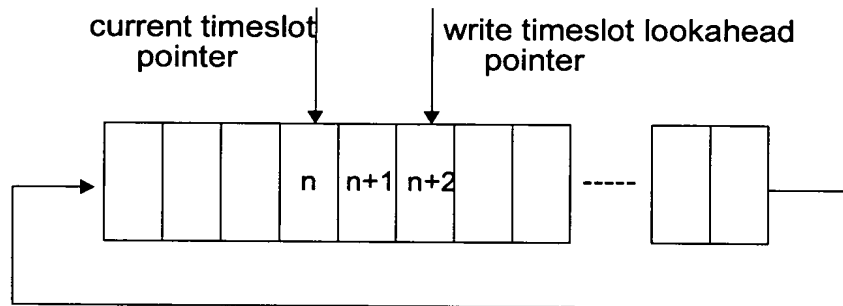


FIG. 122

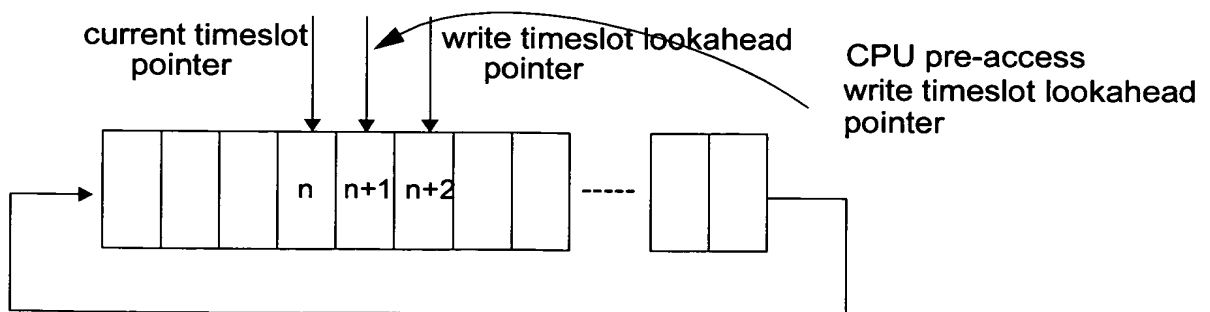


FIG. 123

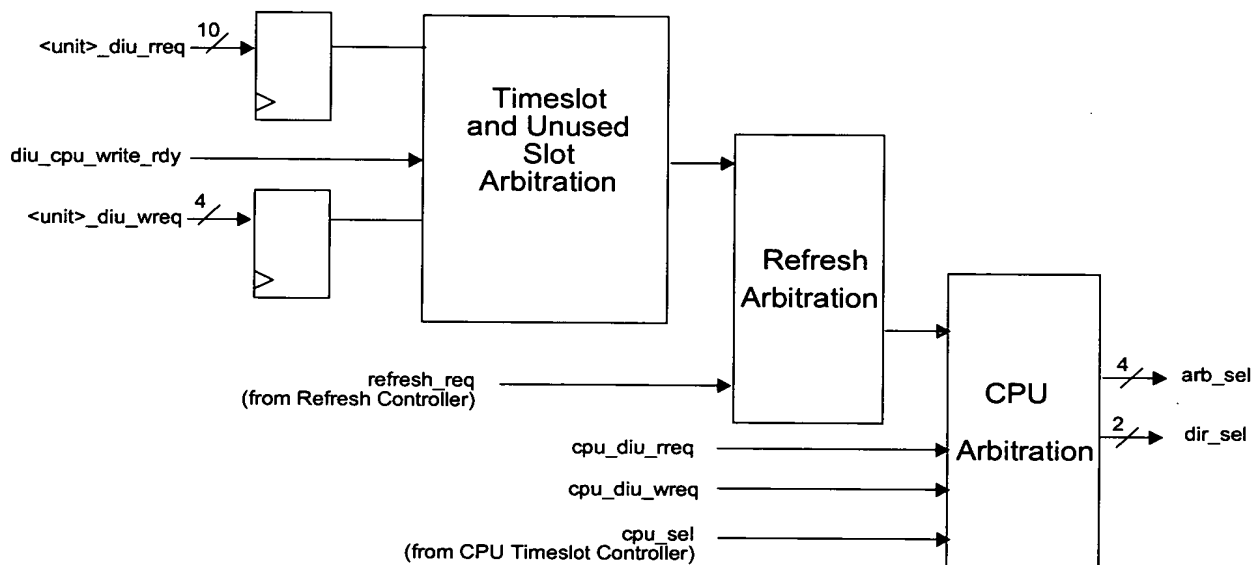


FIG. 124

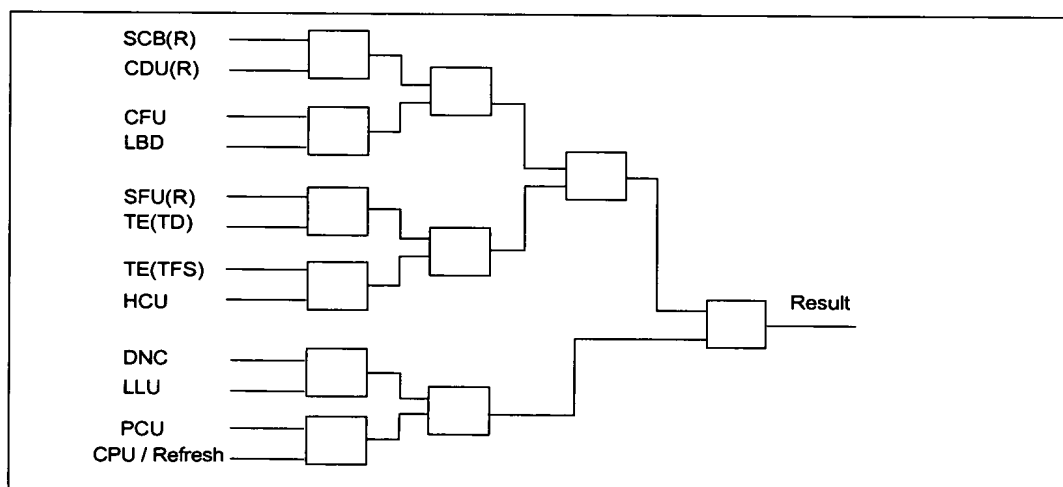


FIG. 125

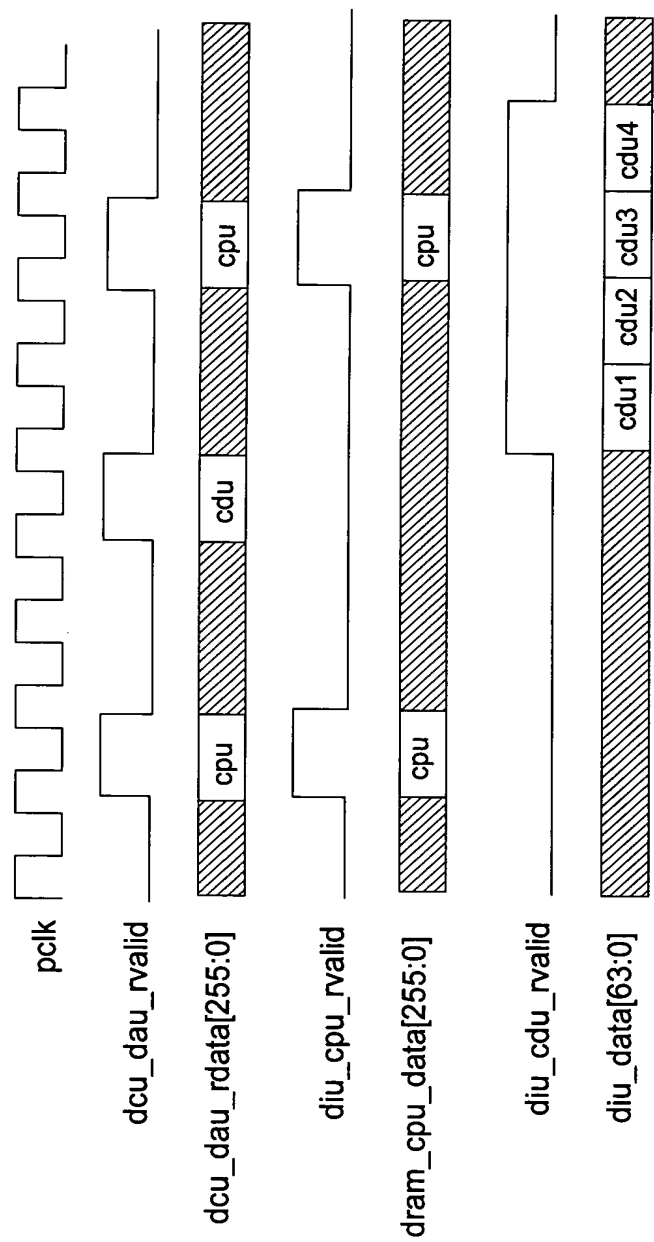


FIG. 127

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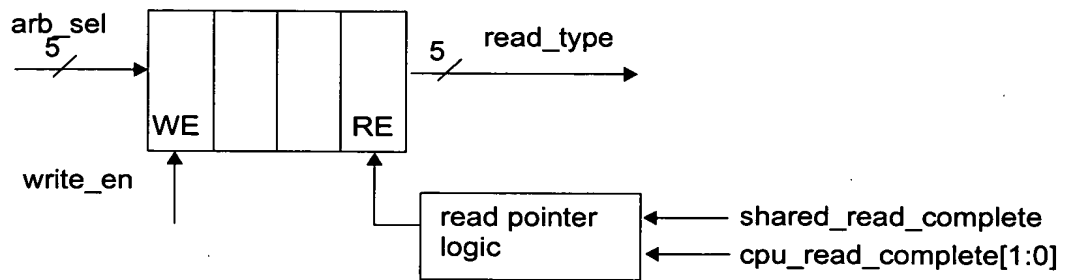


FIG. 128

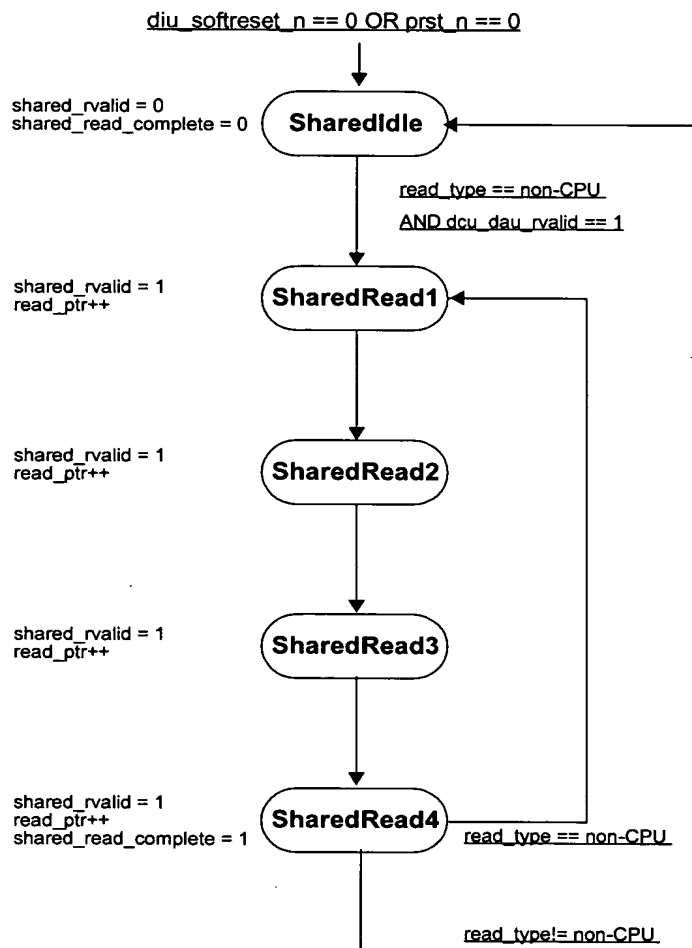


FIG. 129

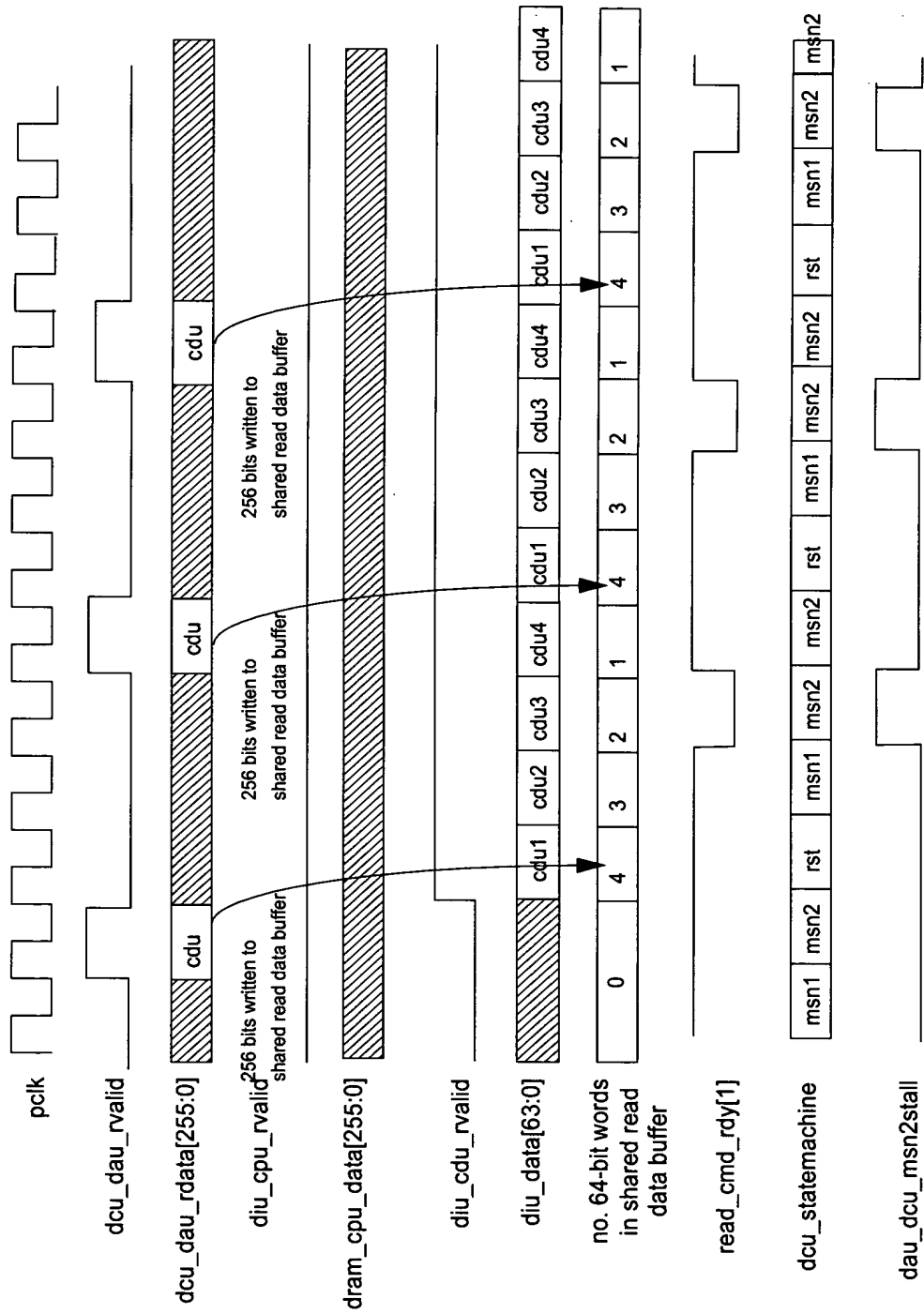


FIG. 130

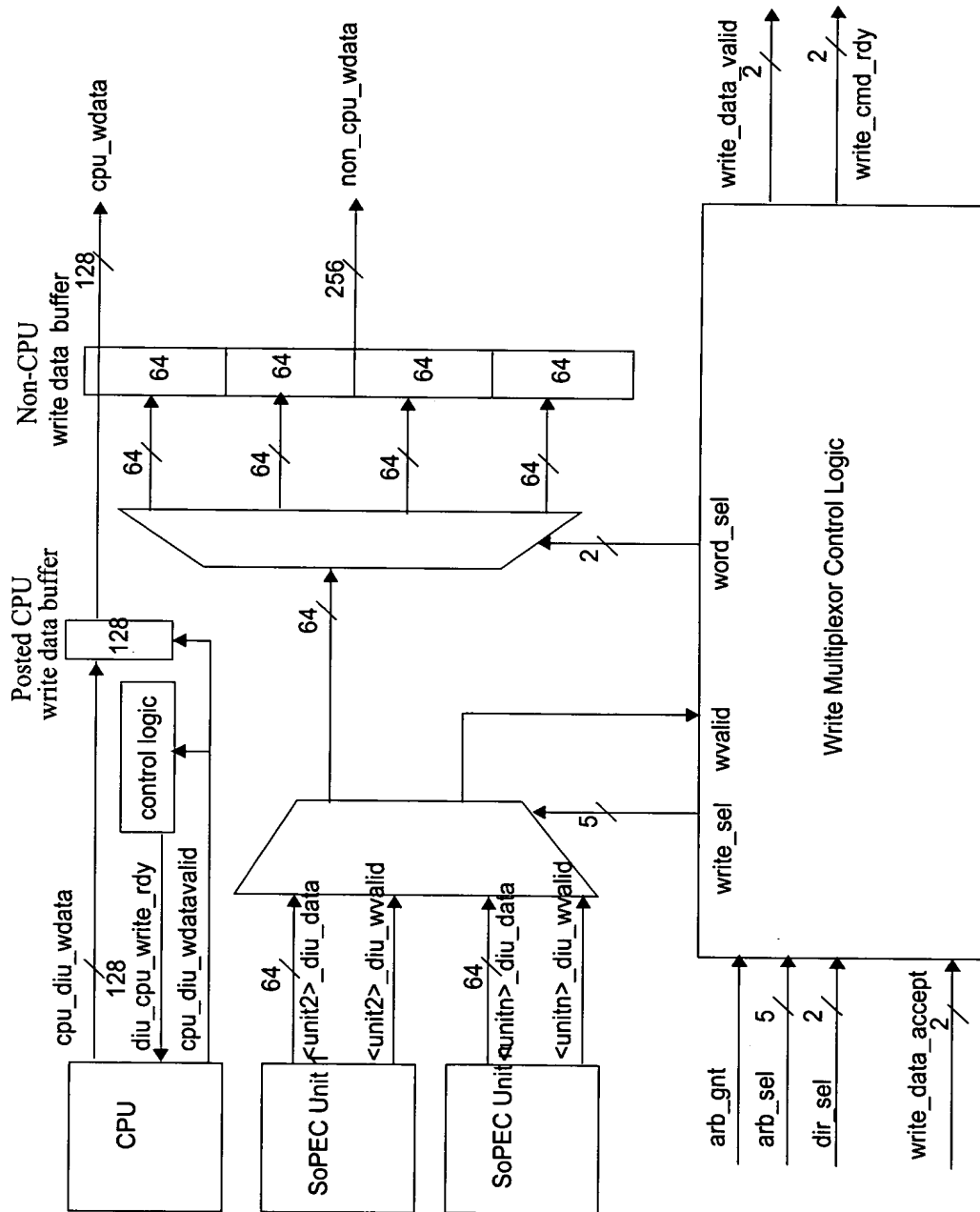


FIG. 131

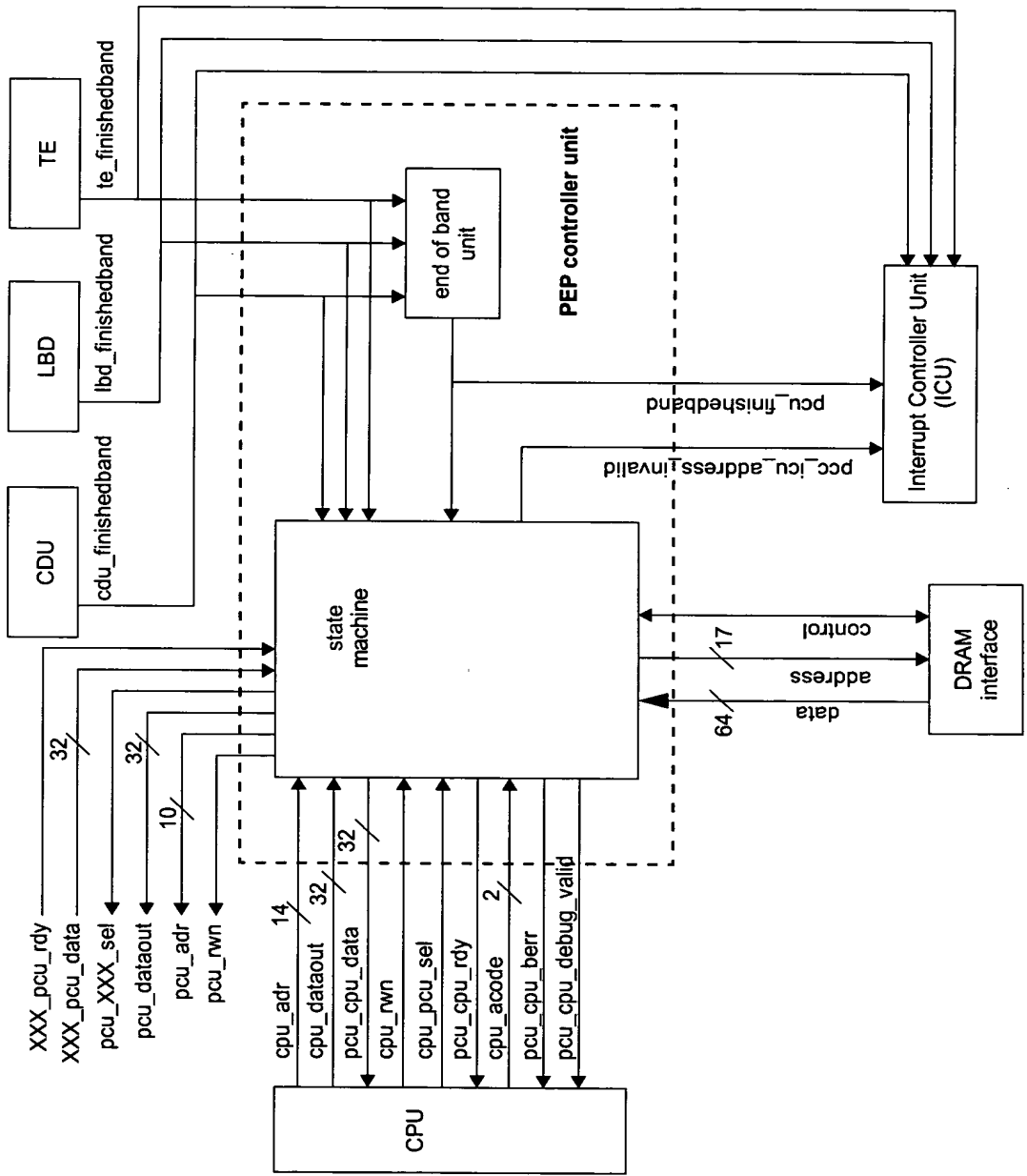


FIG. 132

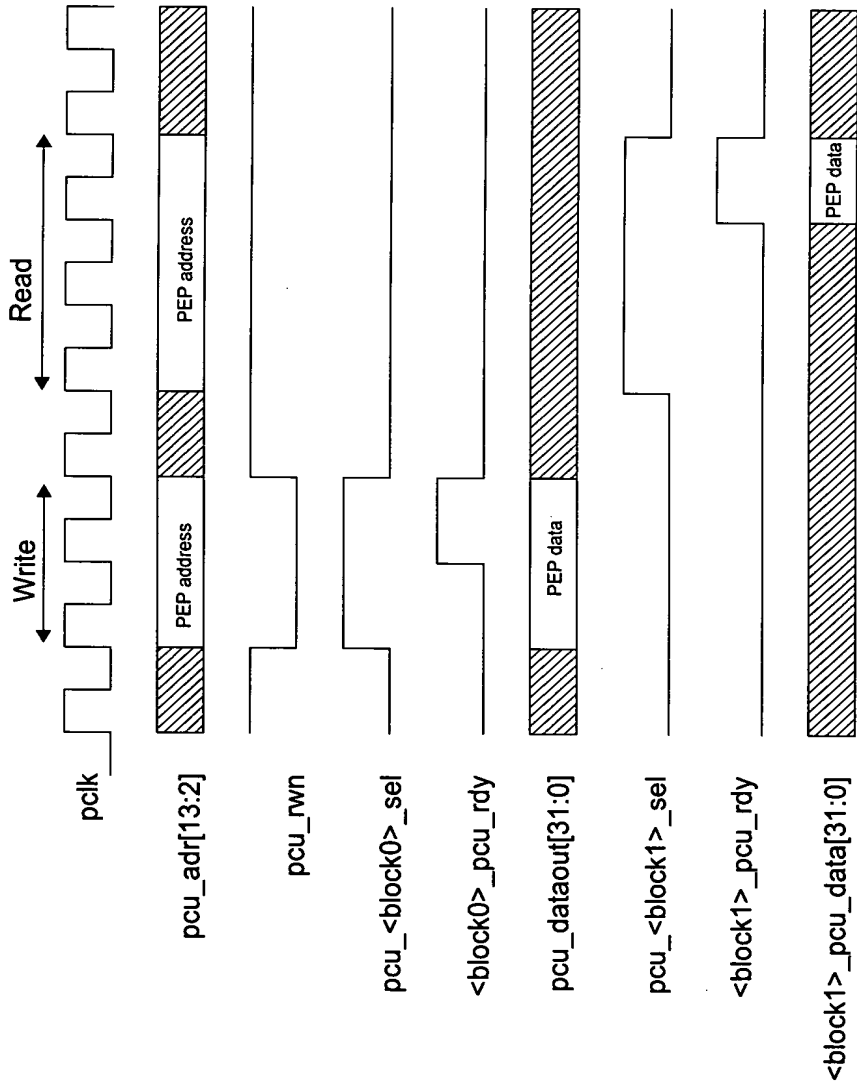


FIG. 133

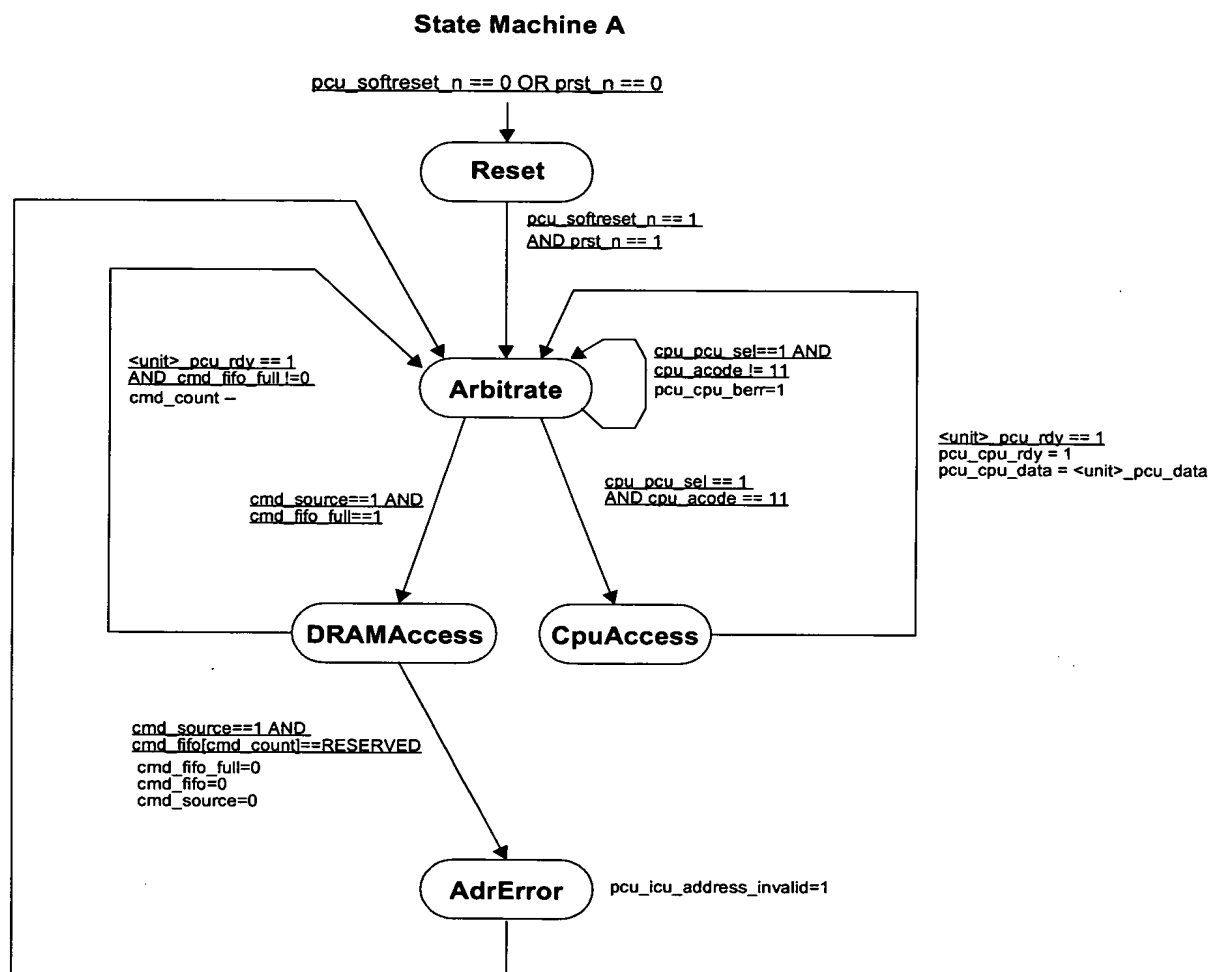


FIG. 134

State Machine B

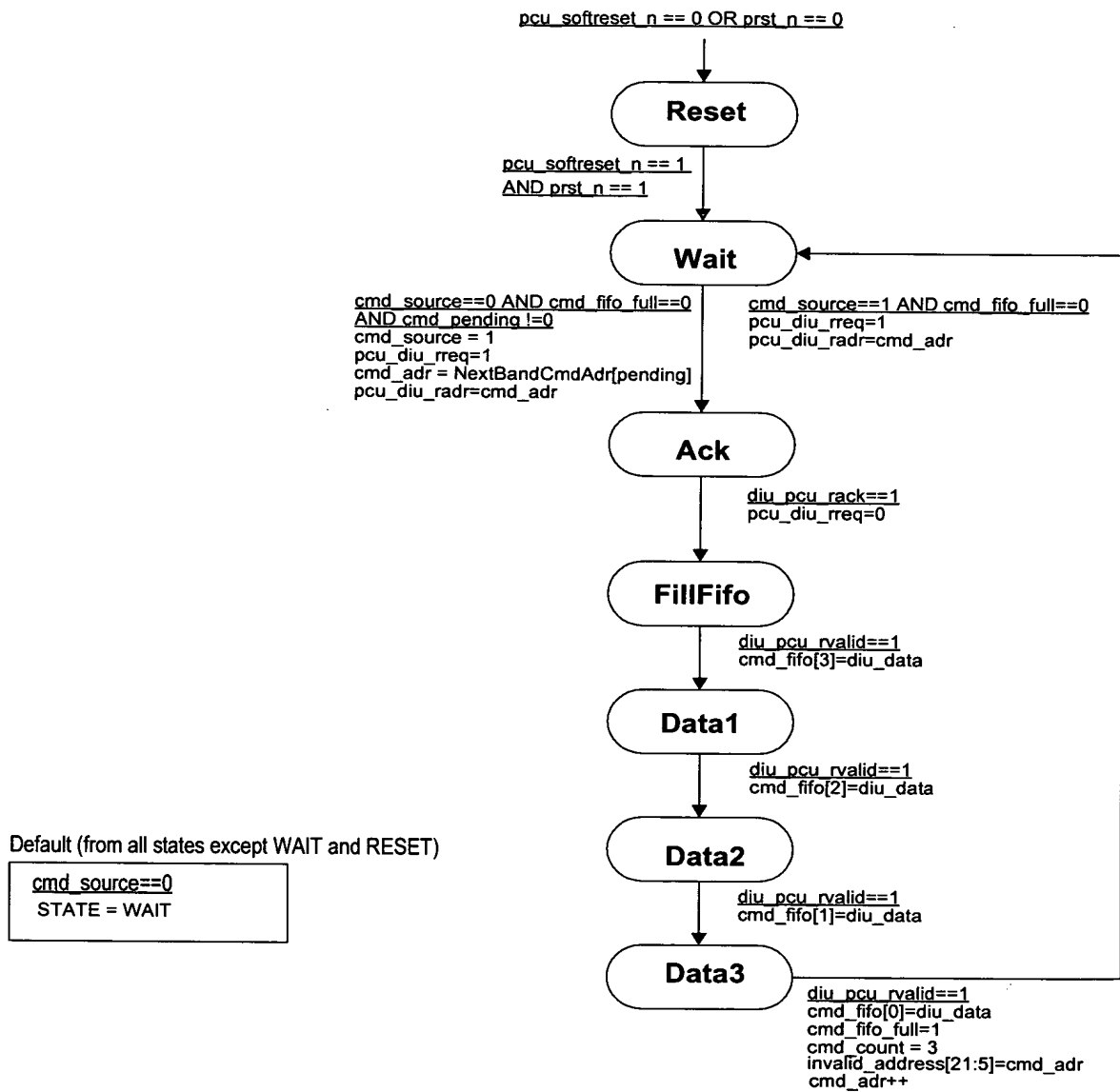


FIG. 135

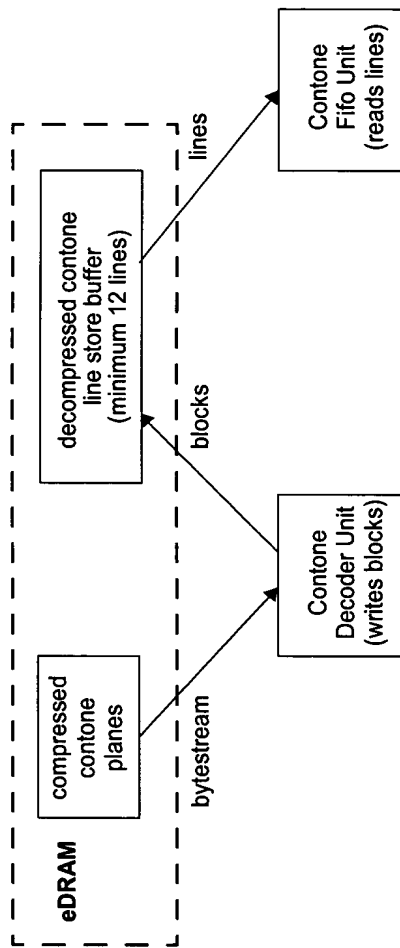


FIG. 136

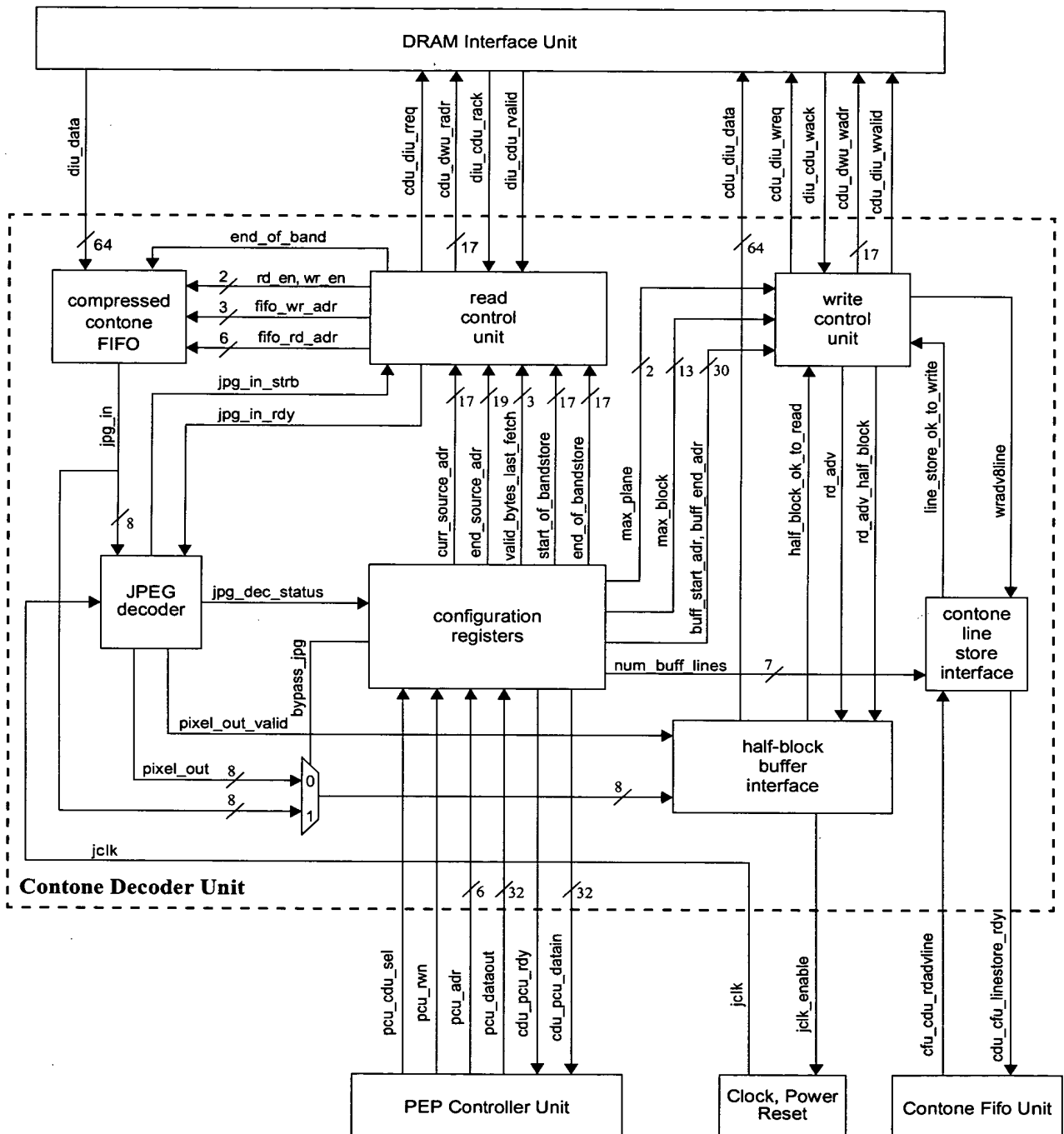


FIG. 137

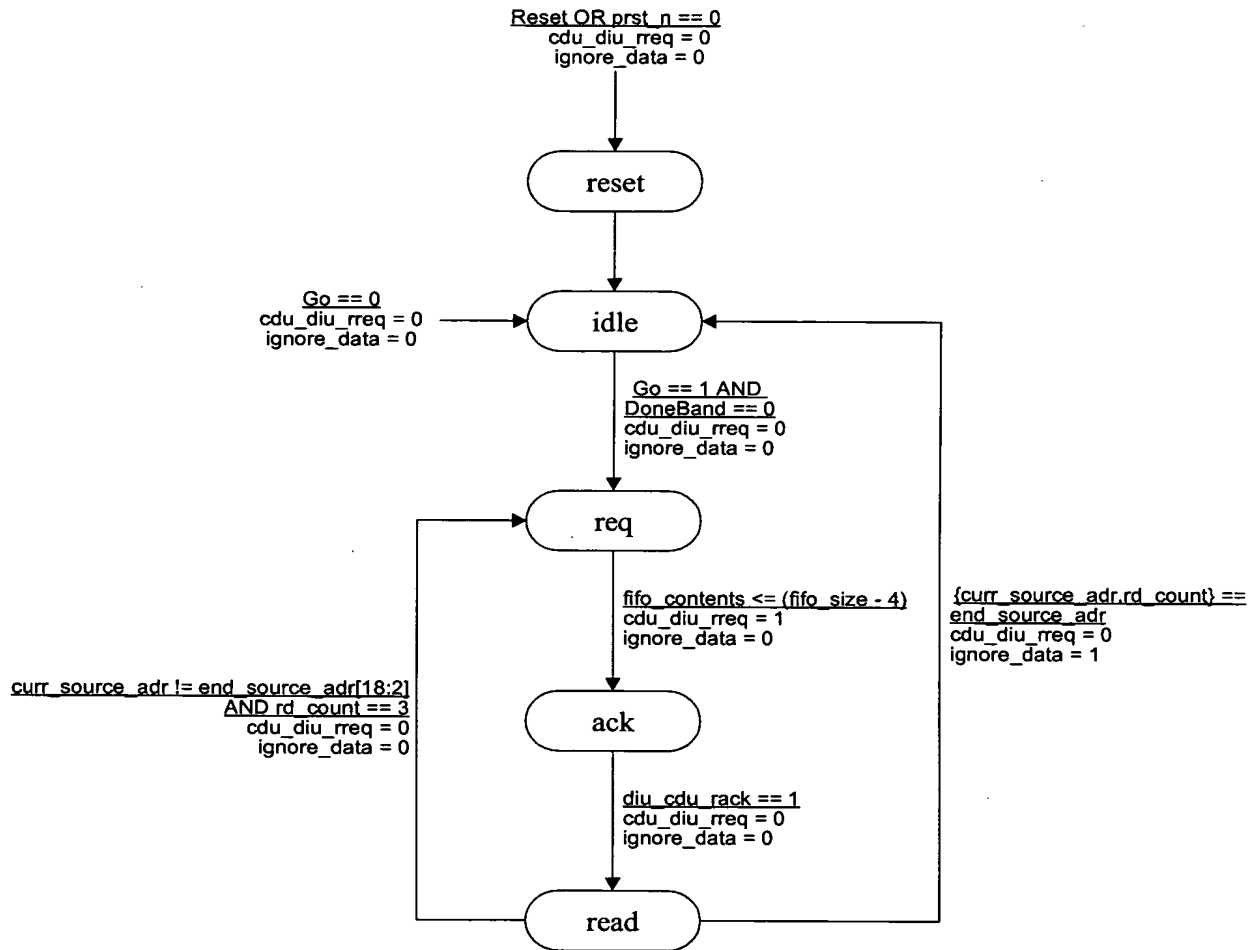


FIG. 138

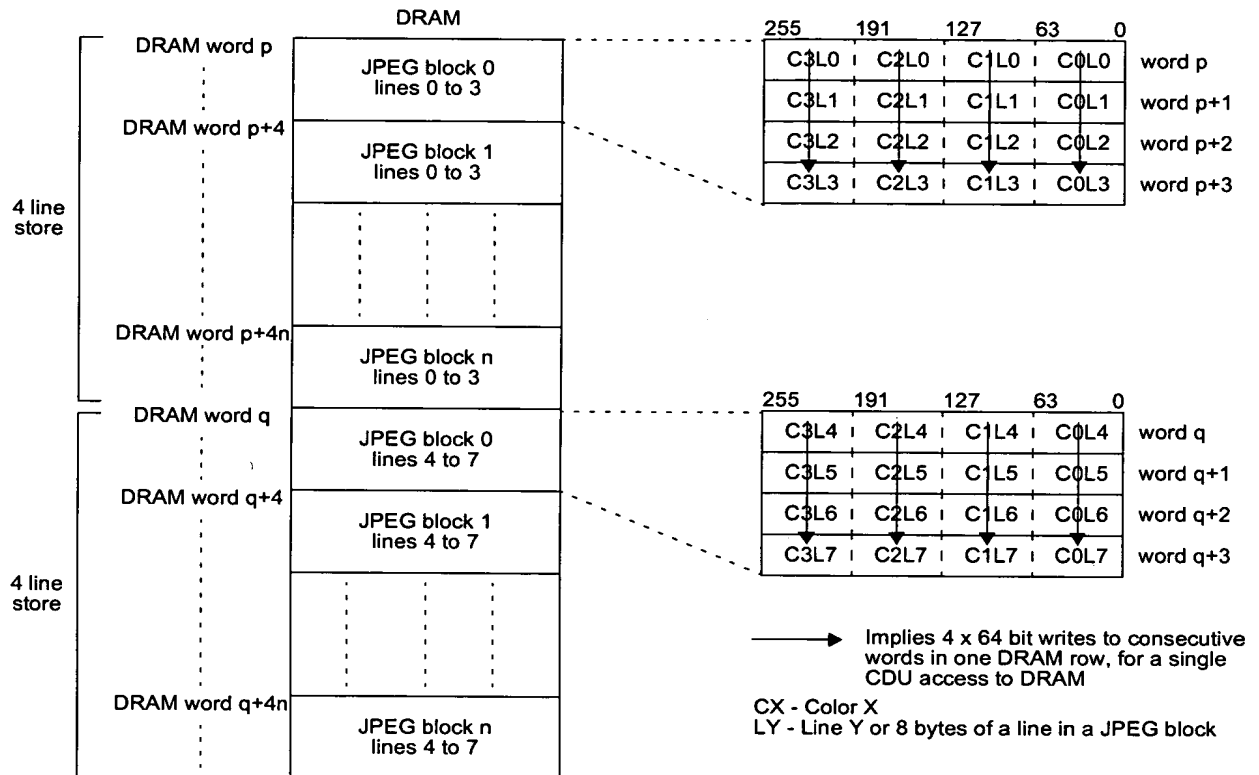


FIG. 139

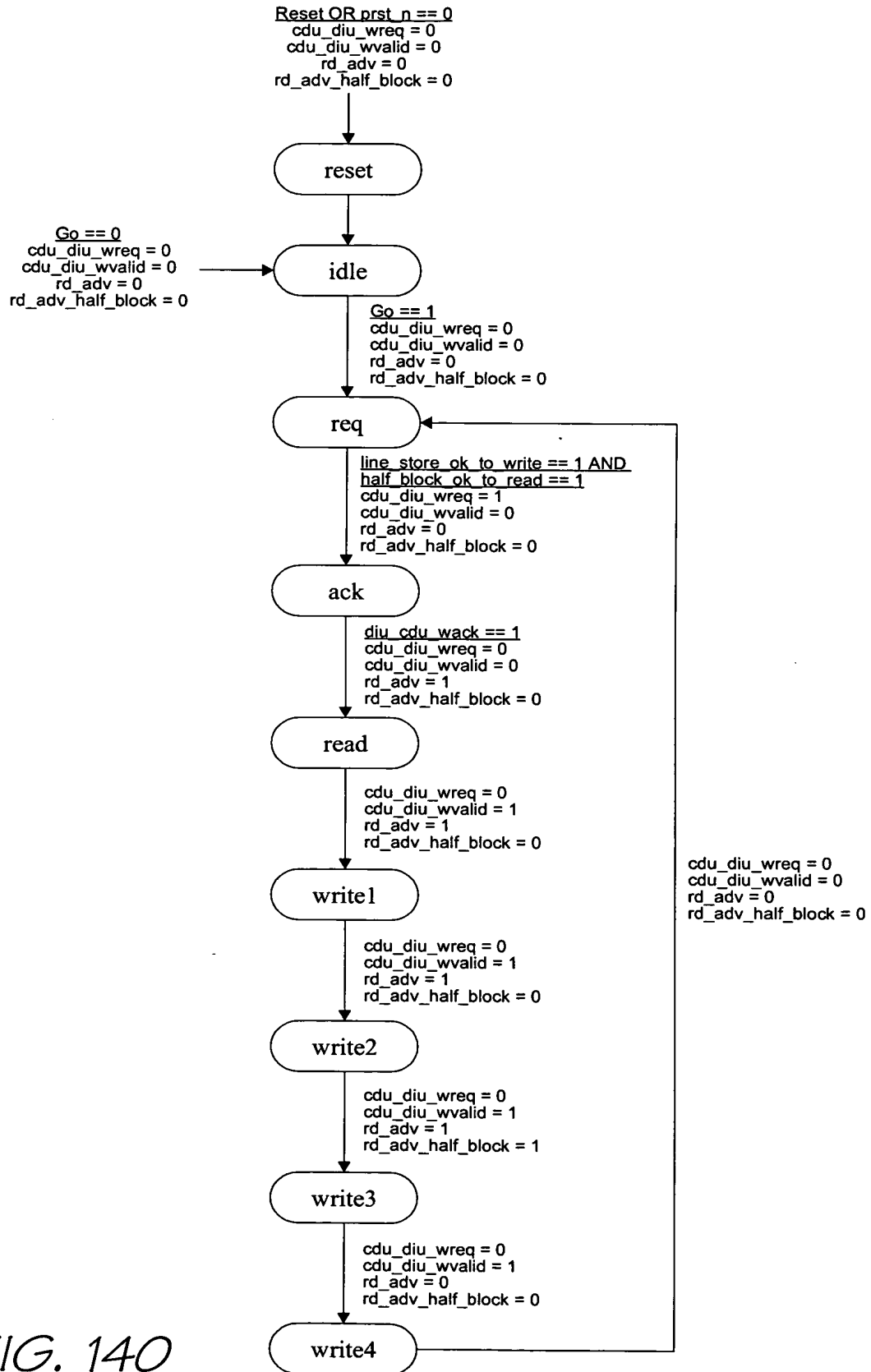


FIG. 140

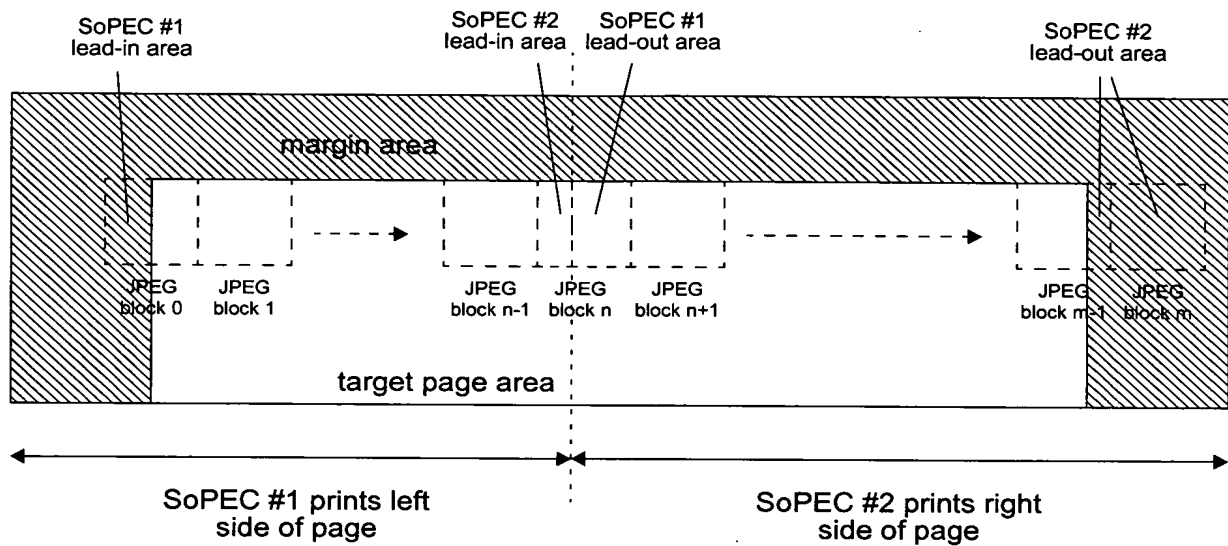


FIG. 141

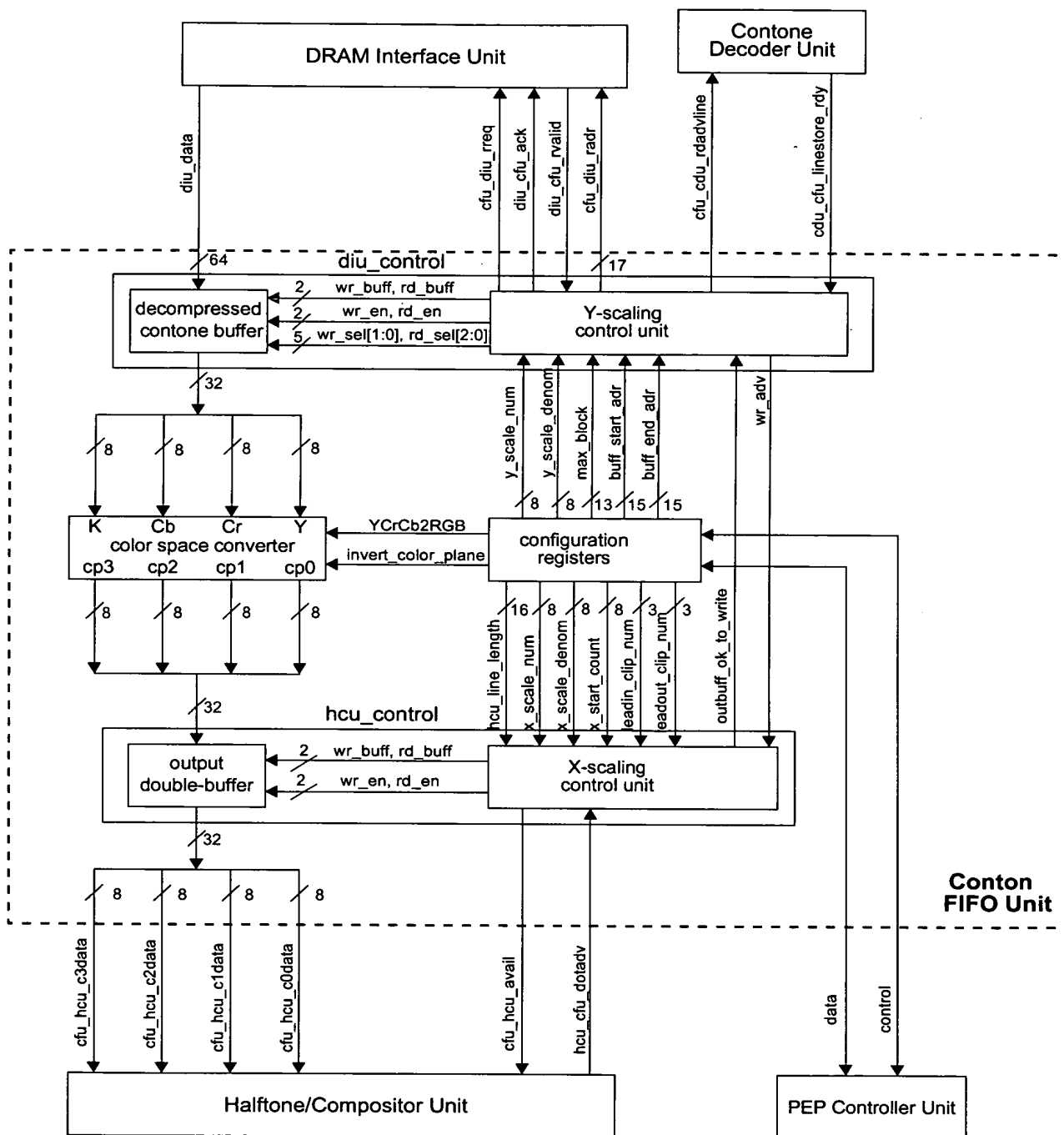


FIG. 142

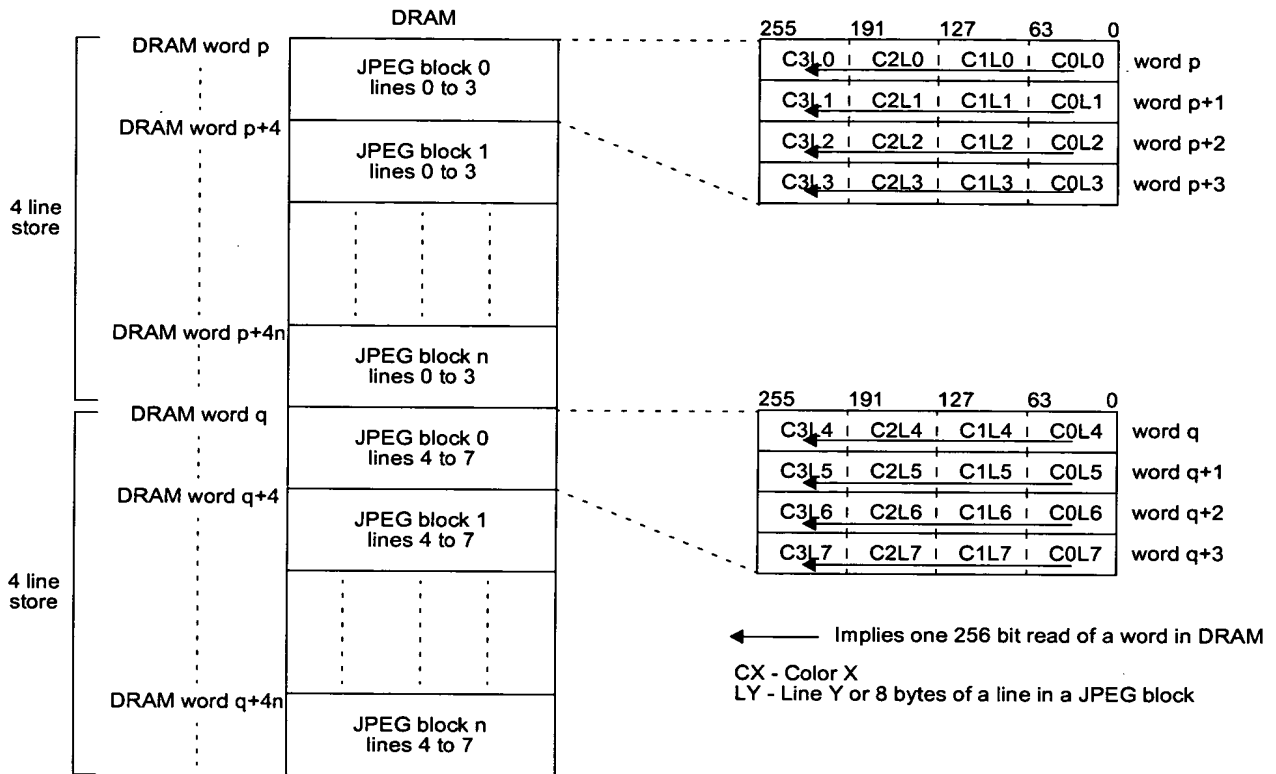


FIG. 143

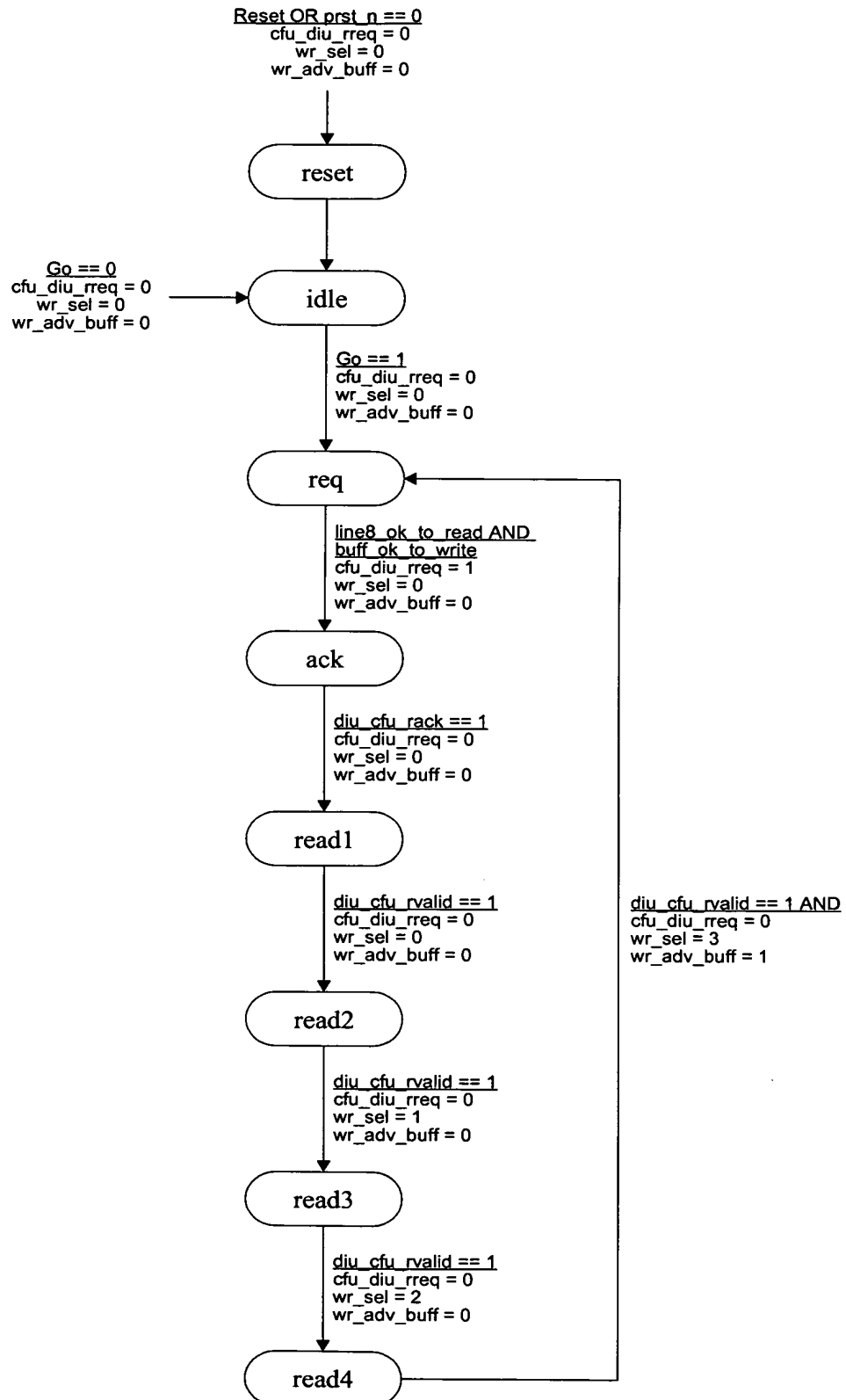


FIG. 144

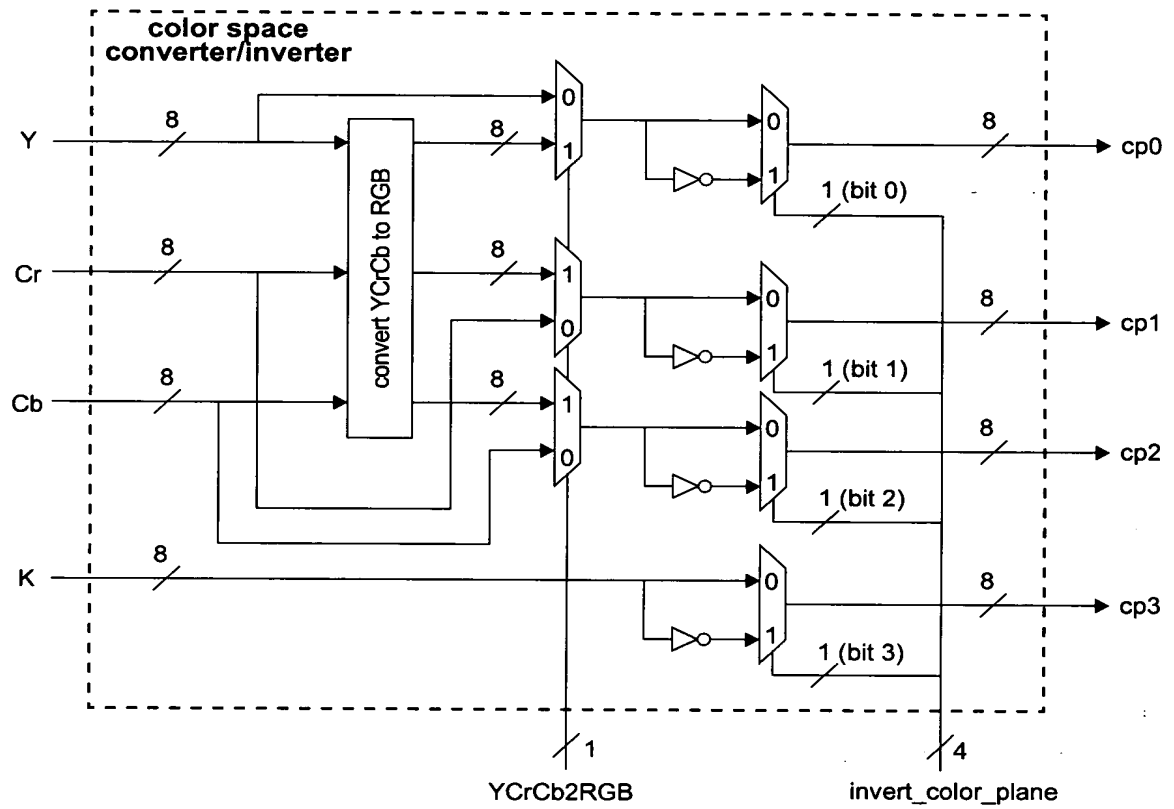


FIG. 145

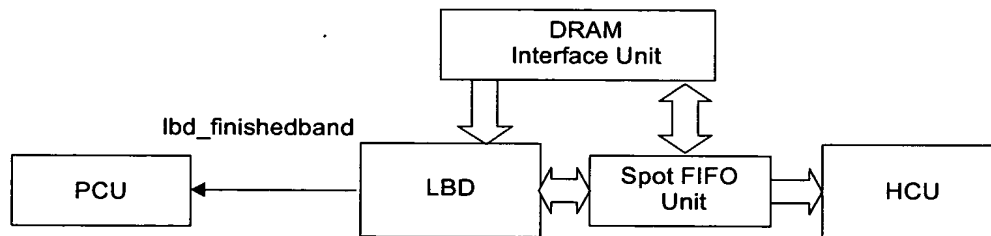


FIG. 146

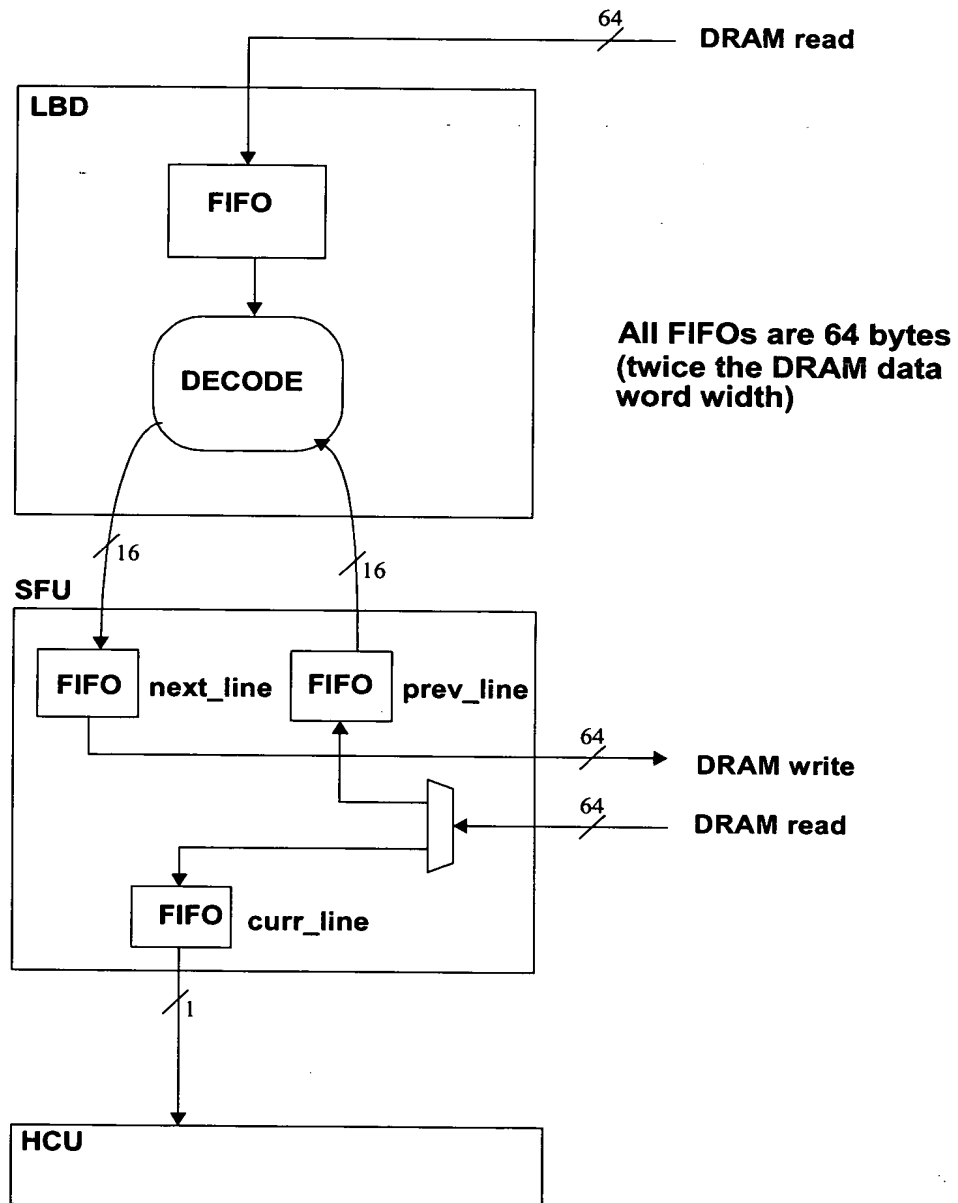


FIG. 147

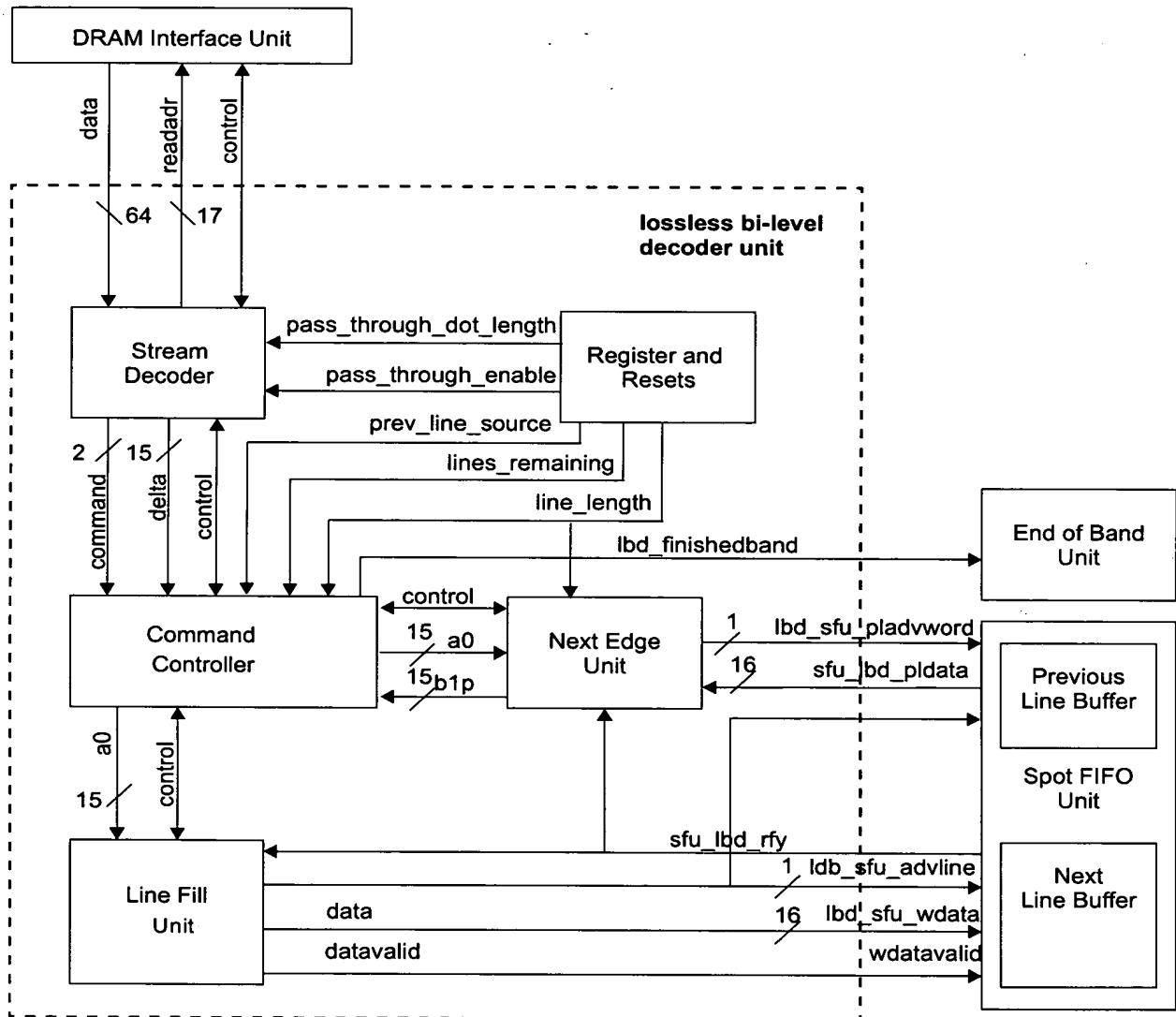


FIG. 148

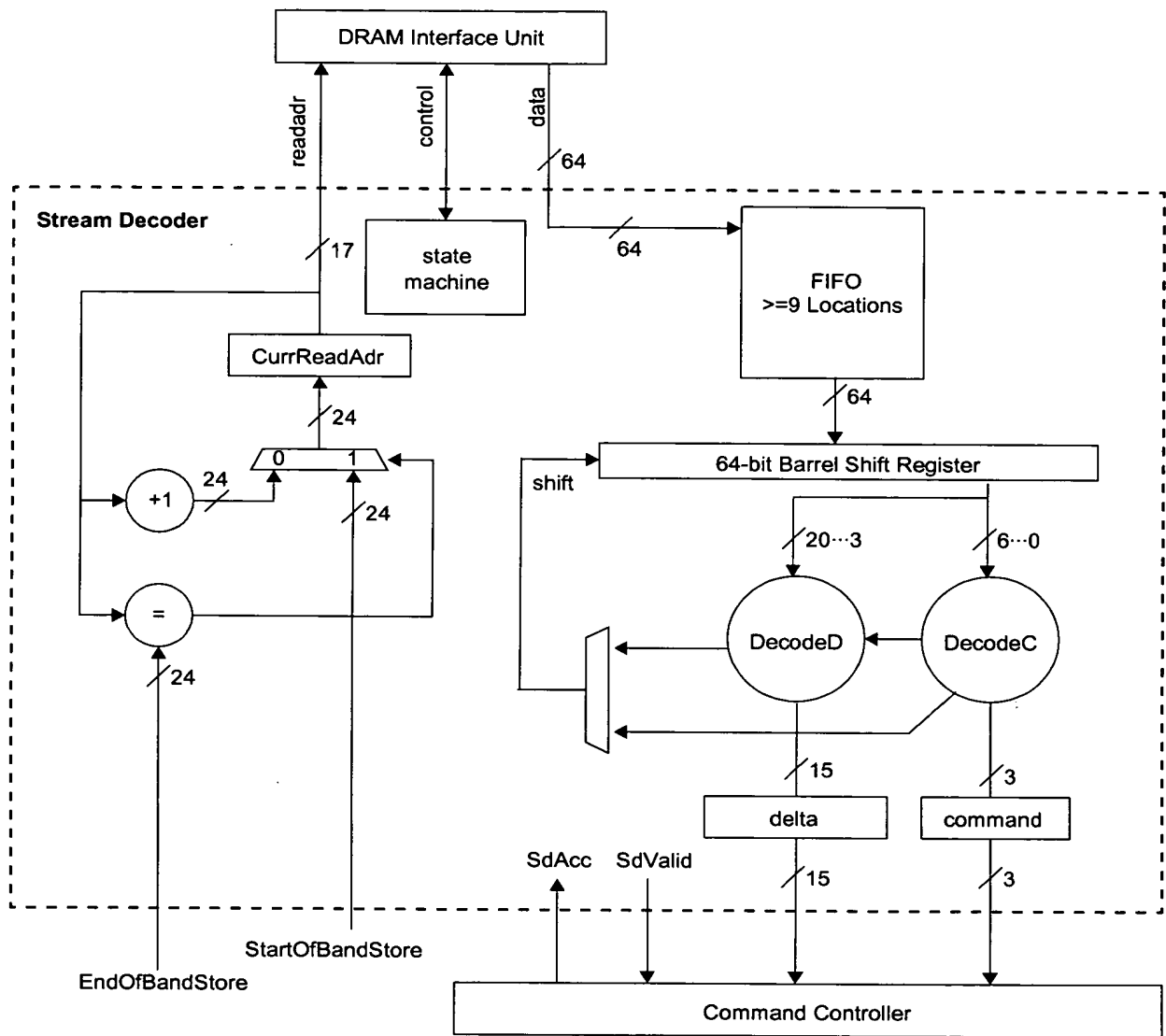


FIG. 149

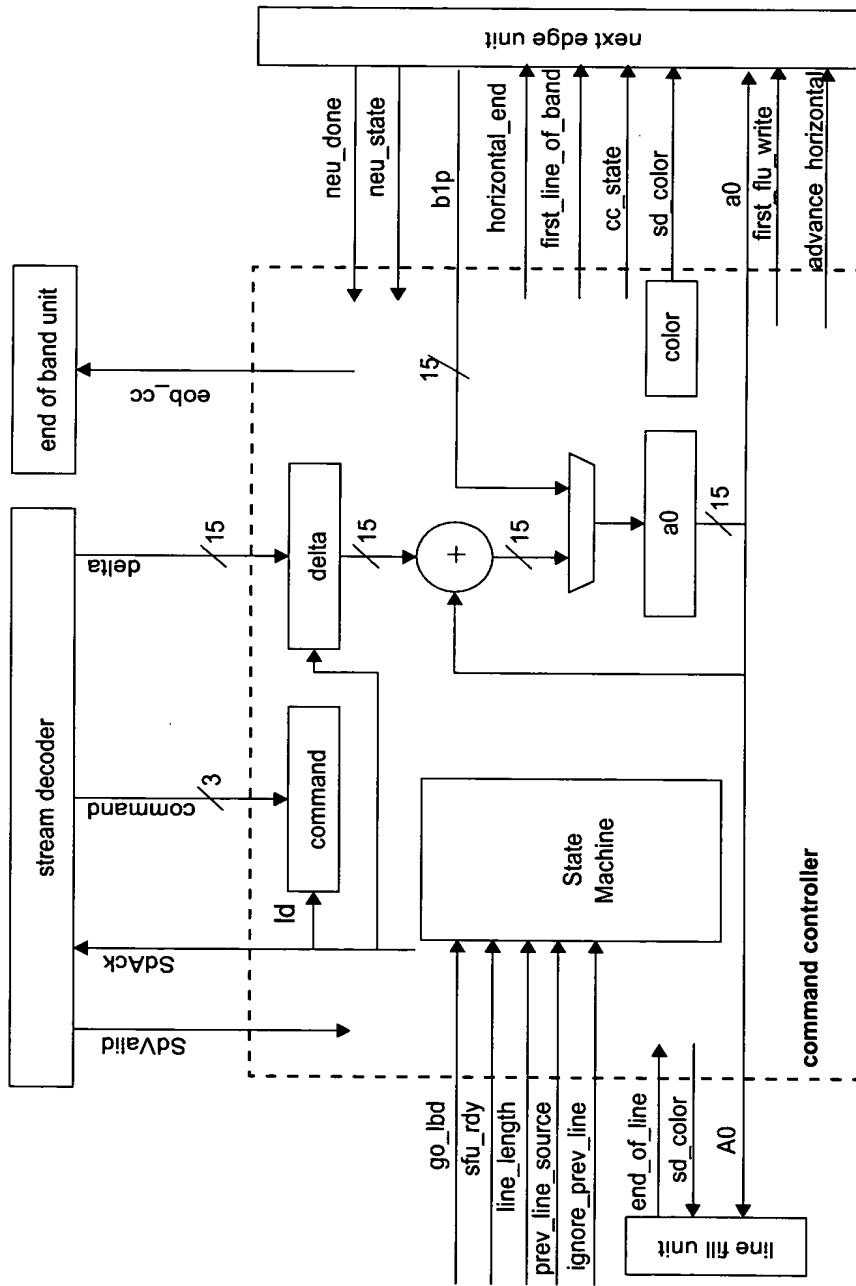


FIG. 150

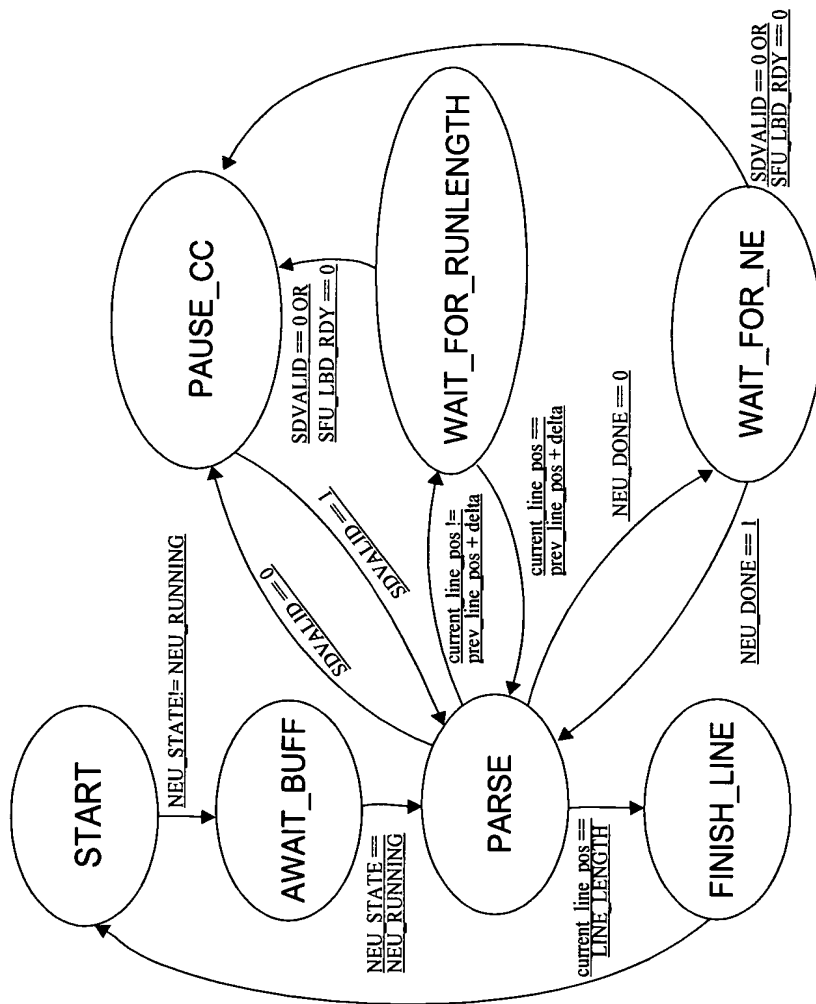


FIG. 151

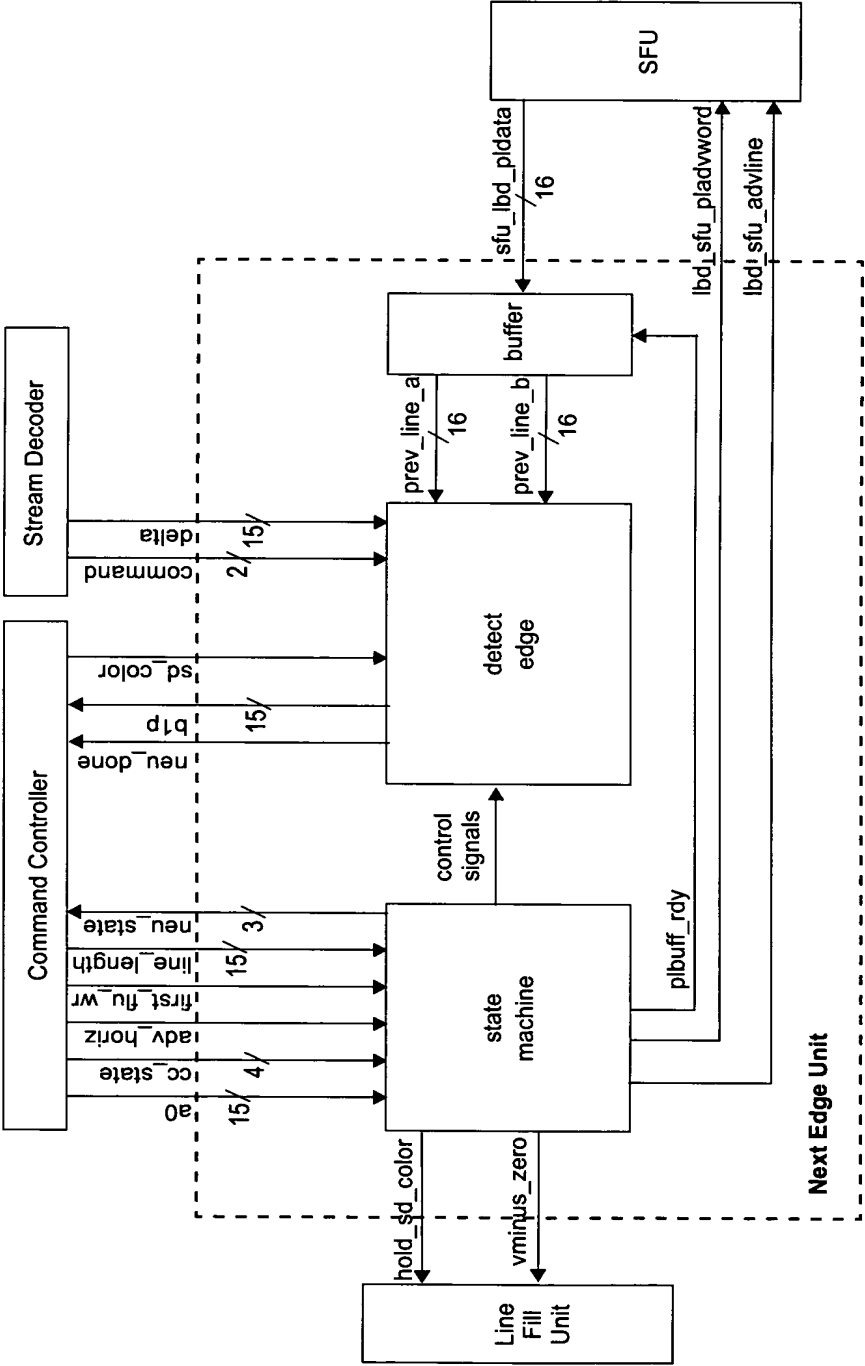
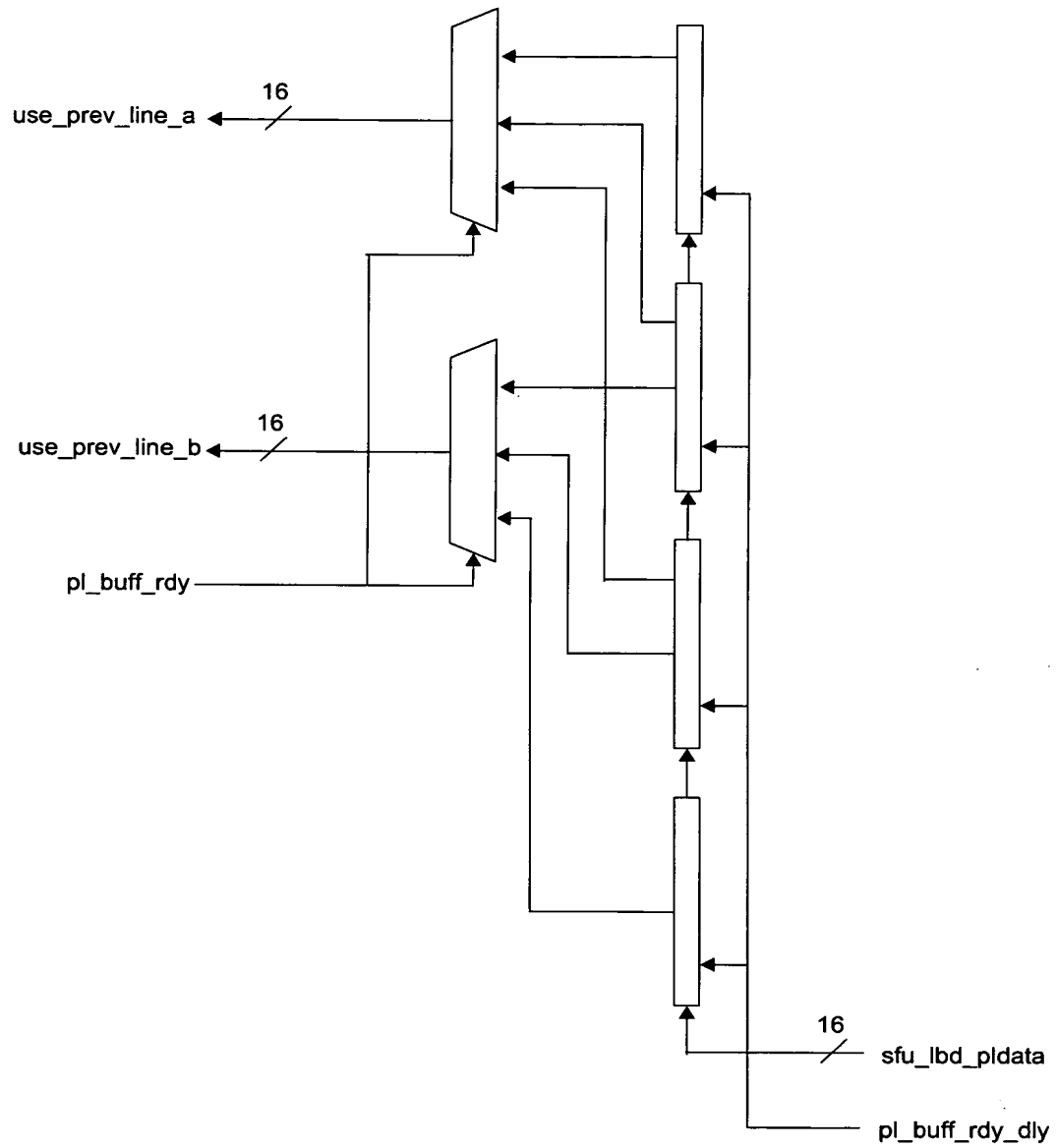


FIG. 152

*FIG. 153*

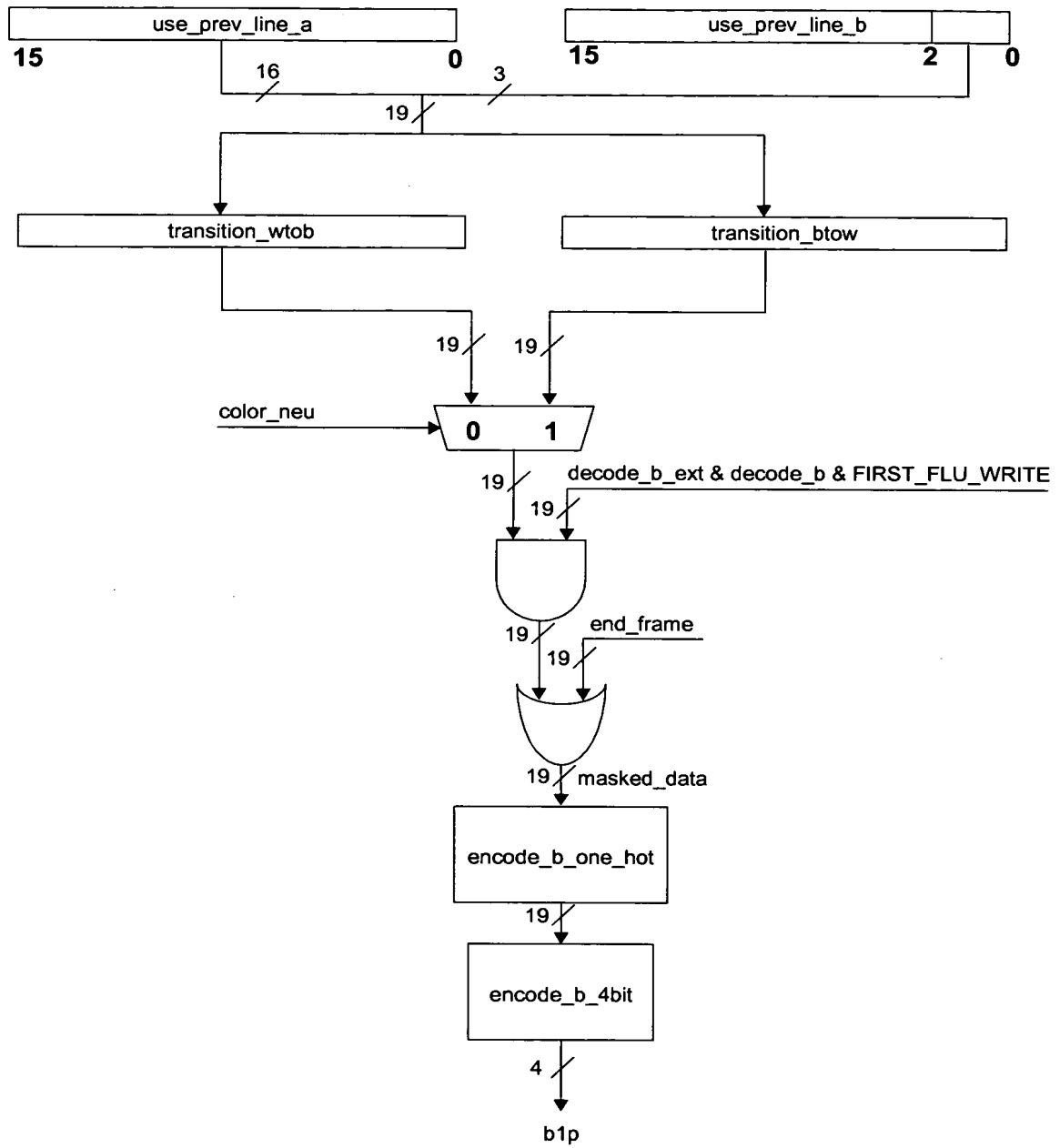


FIG. 154

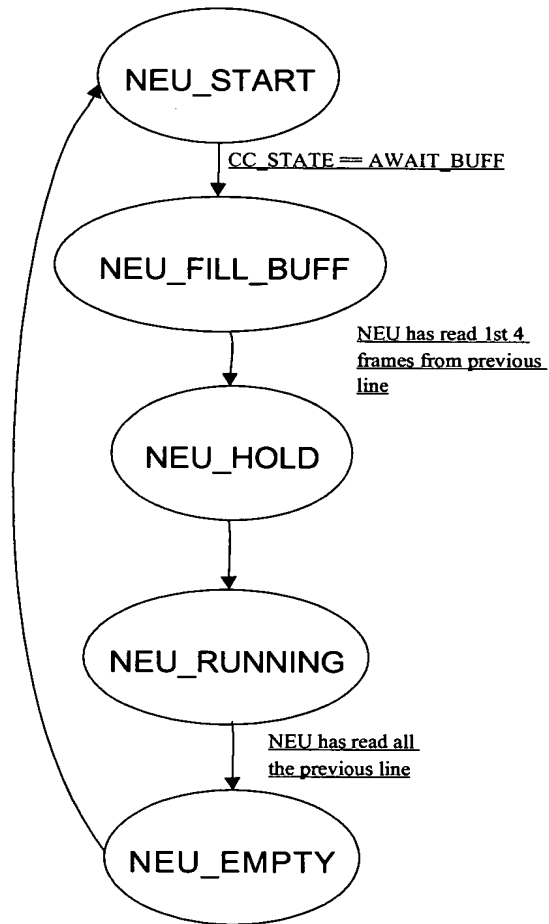


FIG. 155

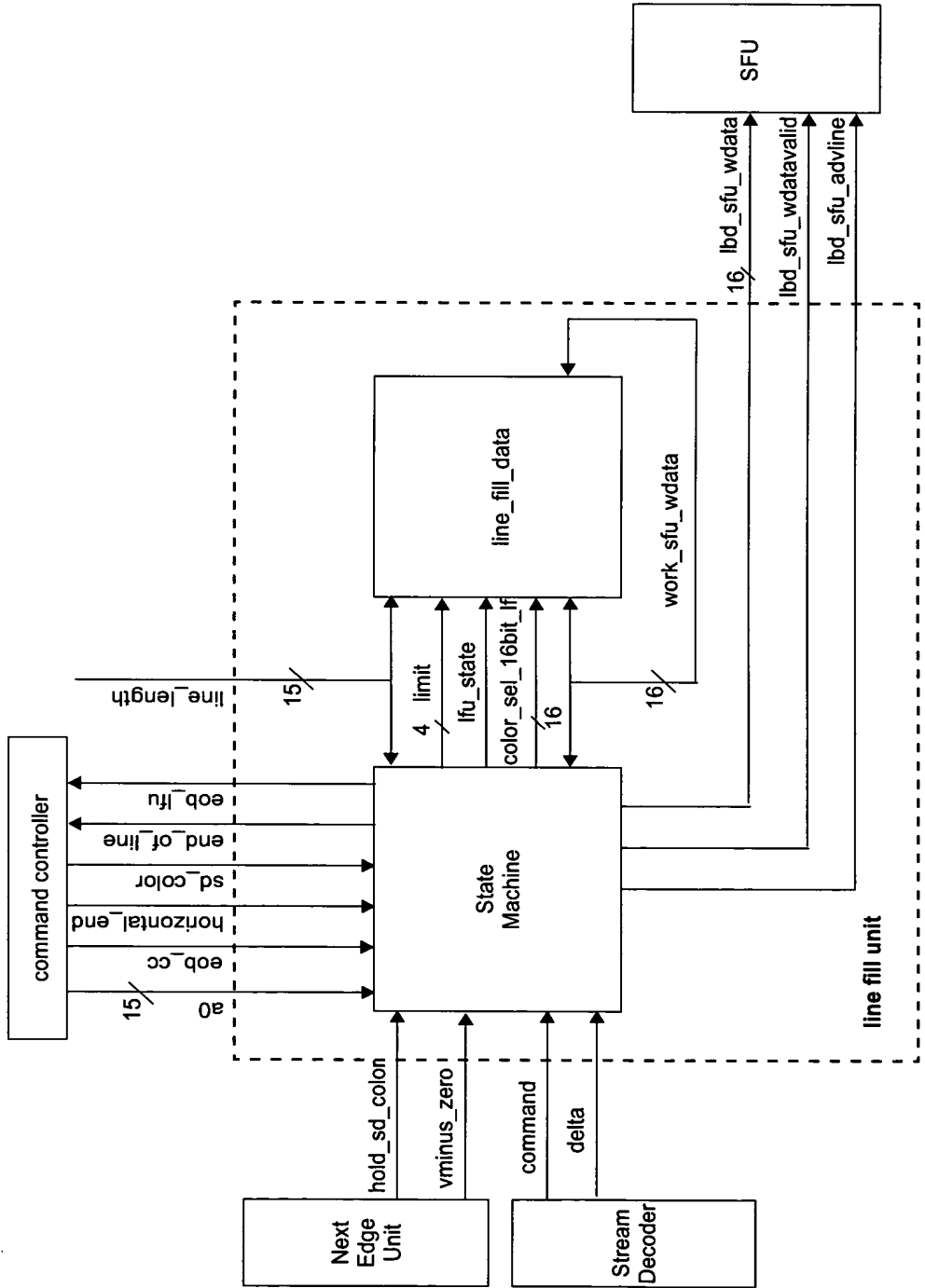


FIG. 156

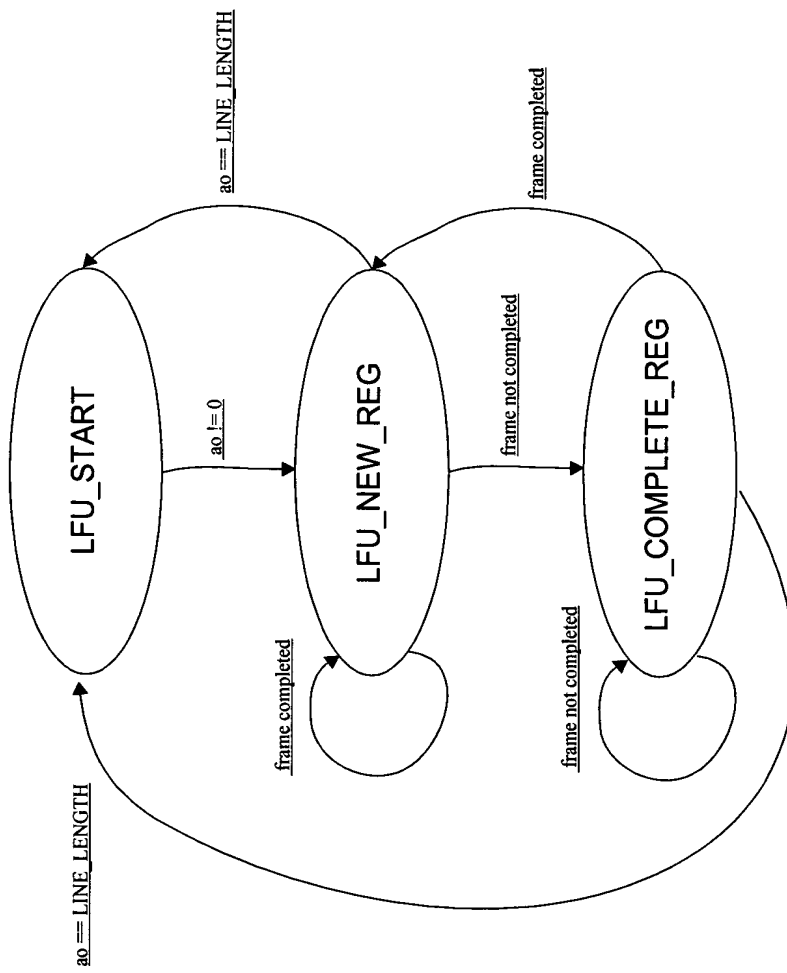


FIG. 157

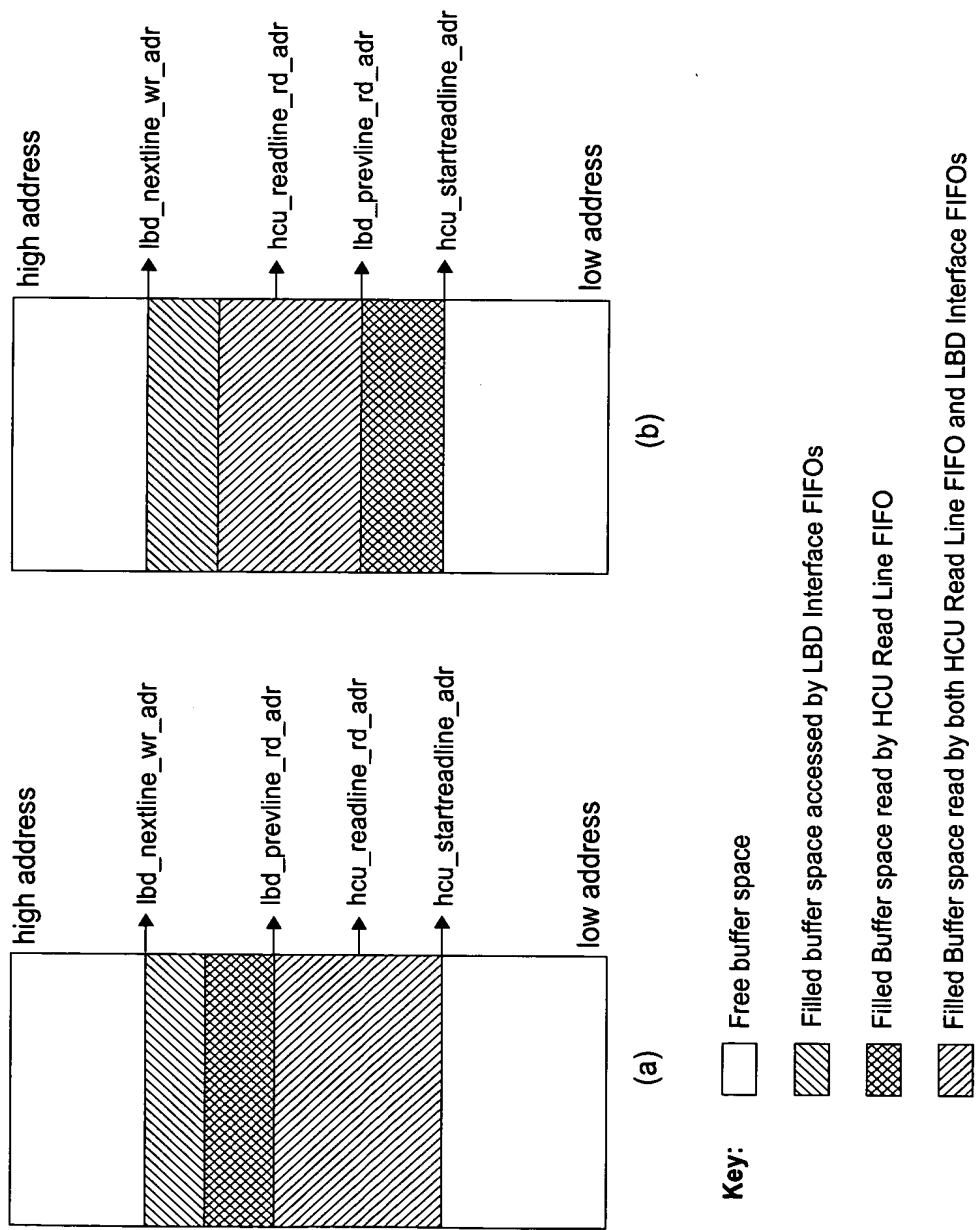


FIG. 158

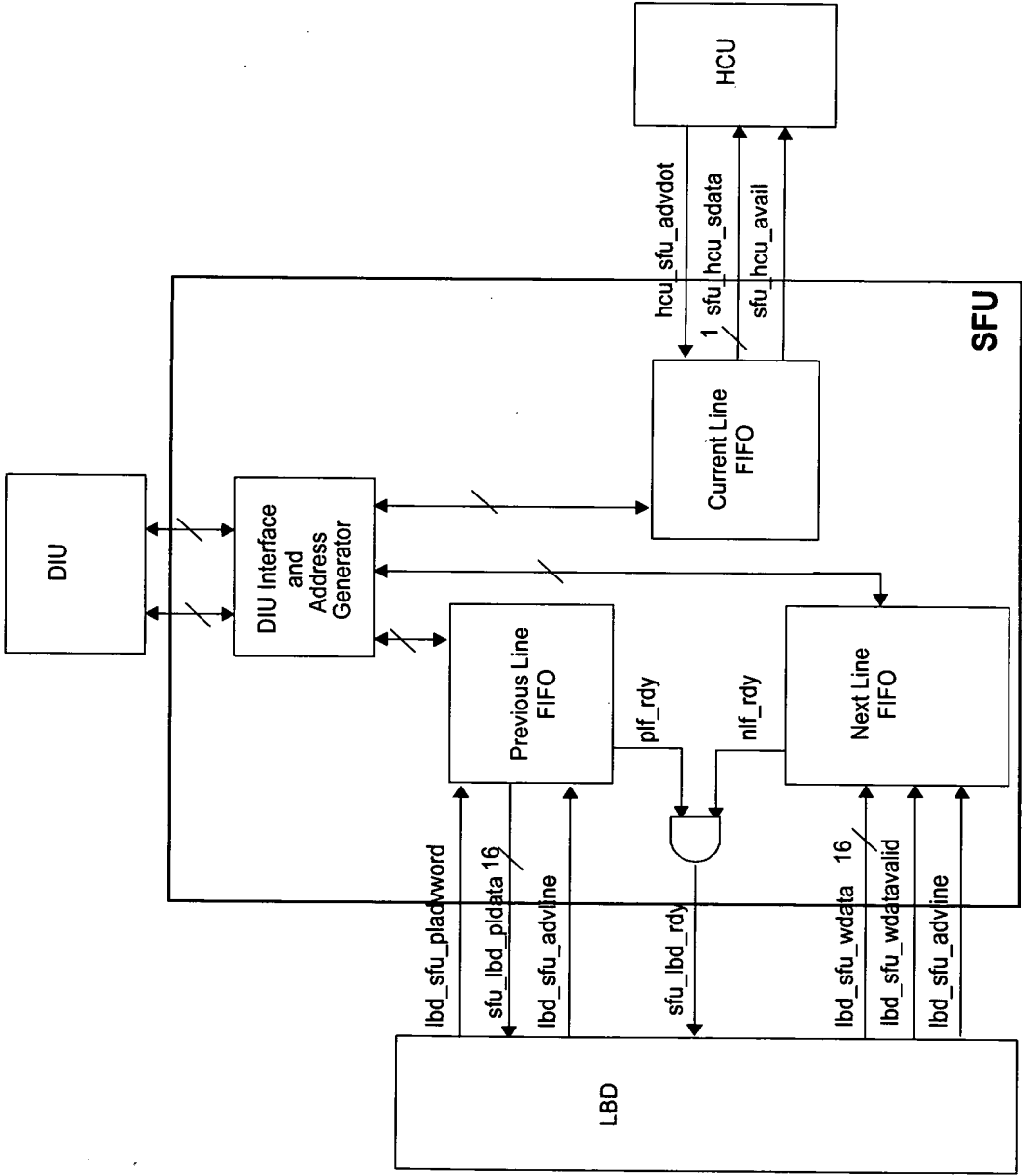


FIG. 159

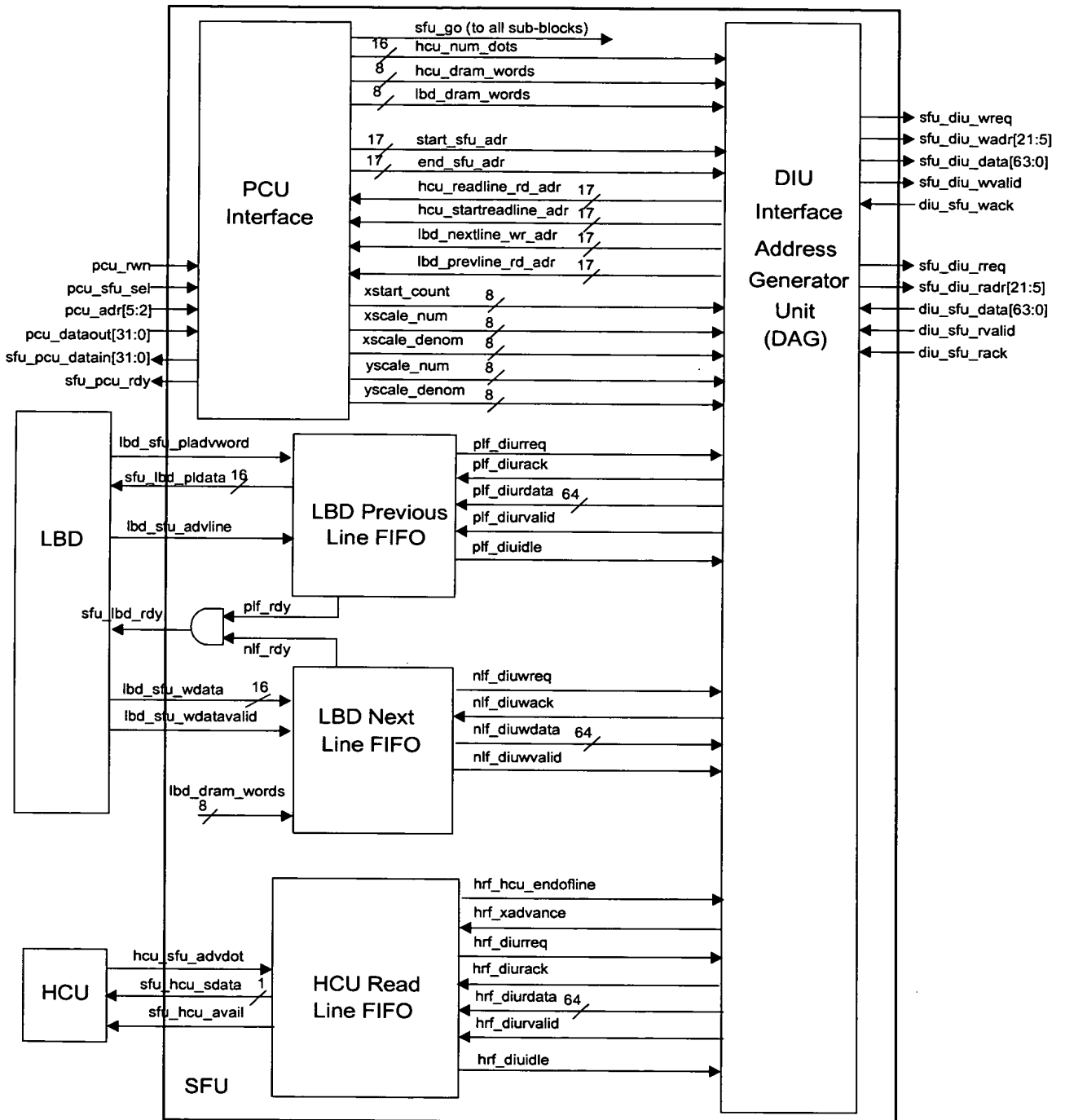


FIG. 160

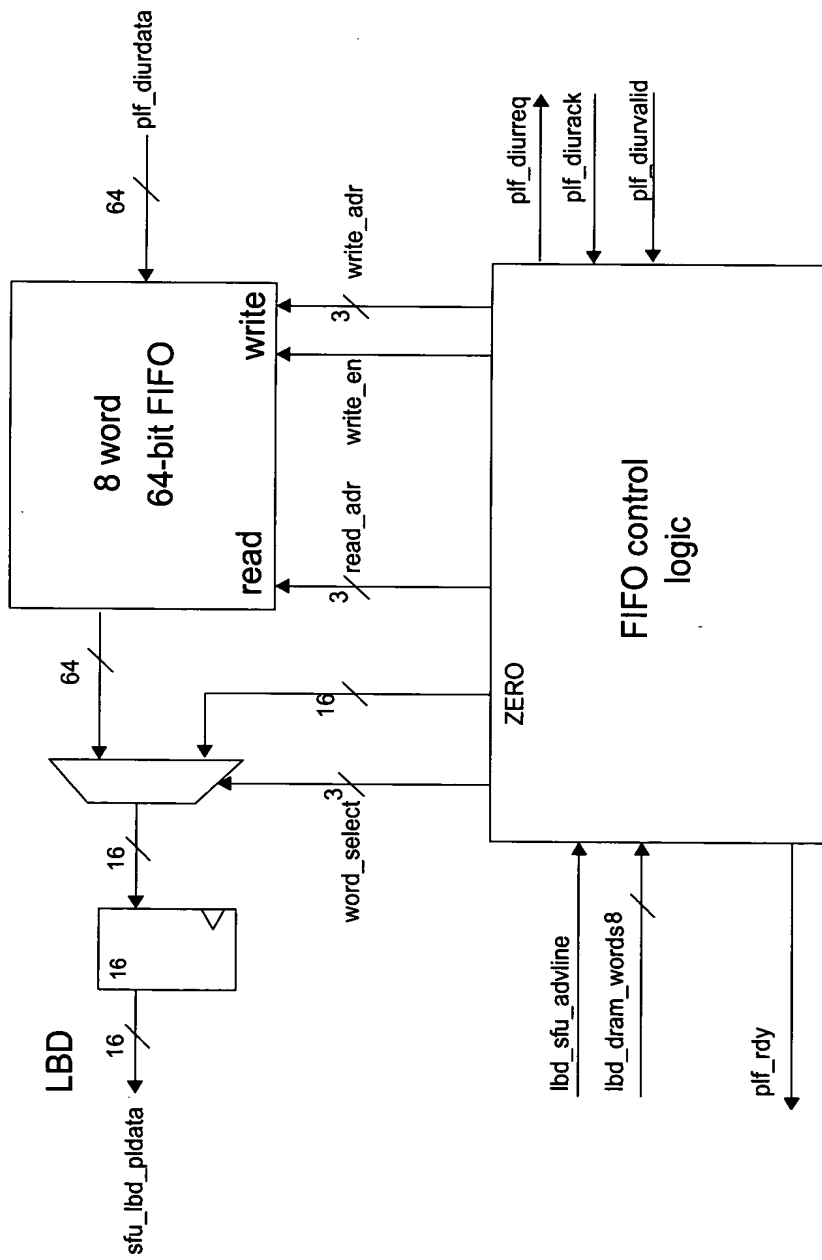


FIG. 161

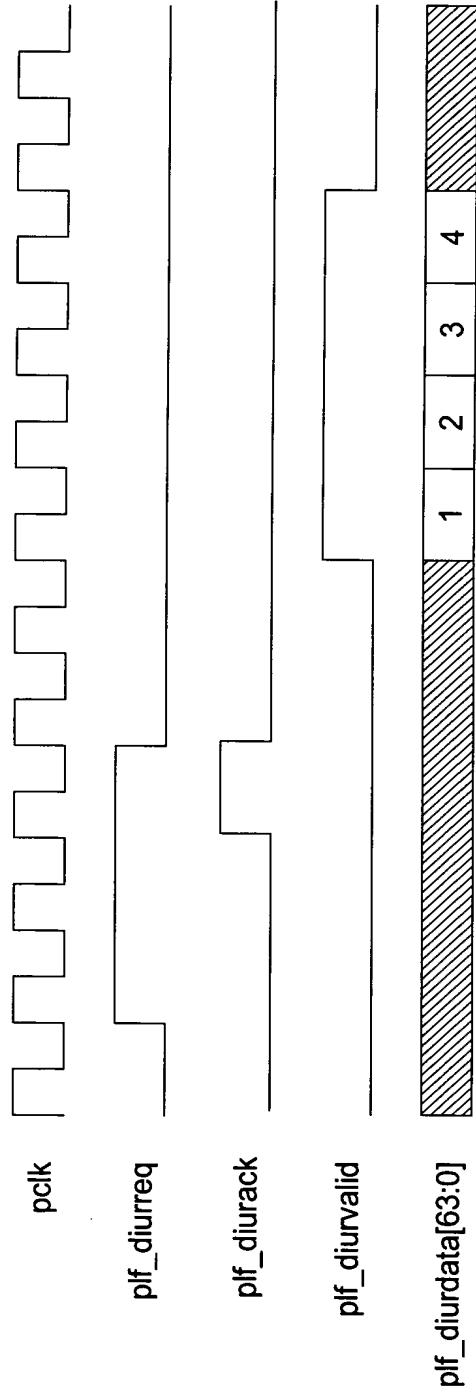


FIG. 162

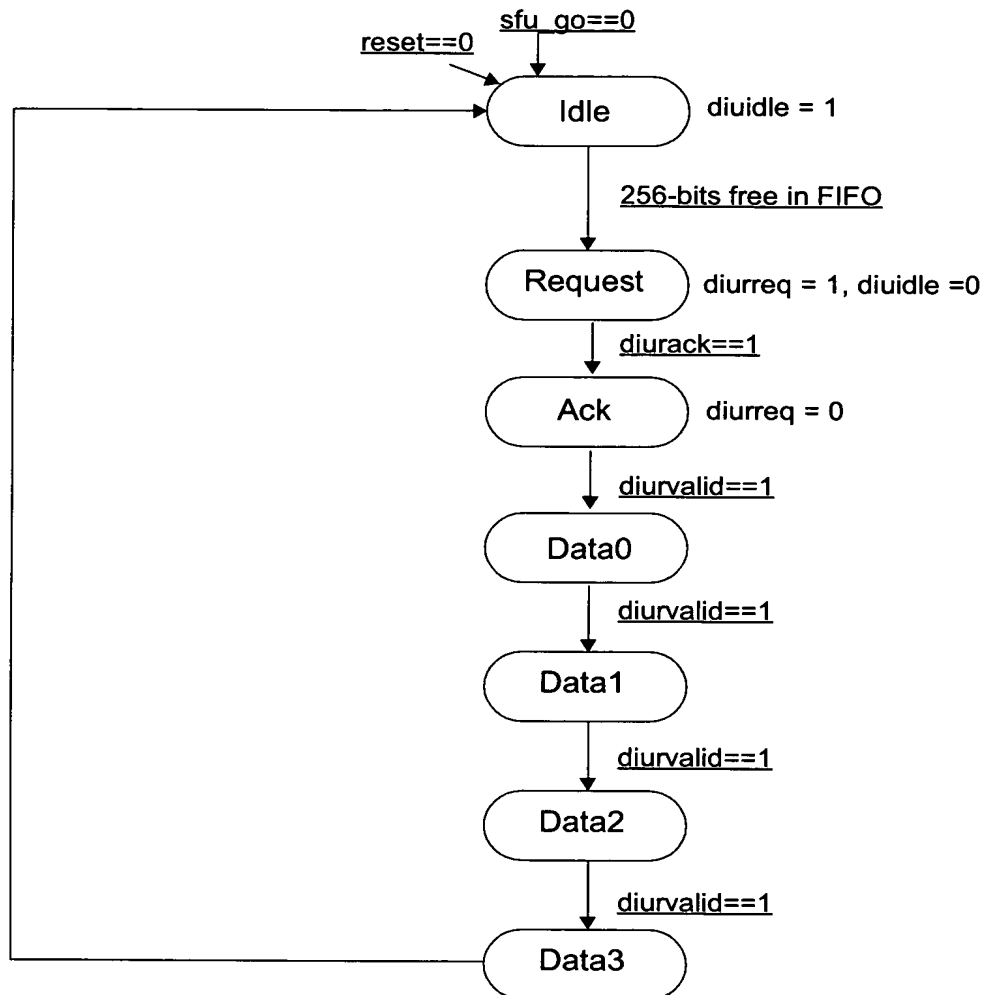


FIG. 163

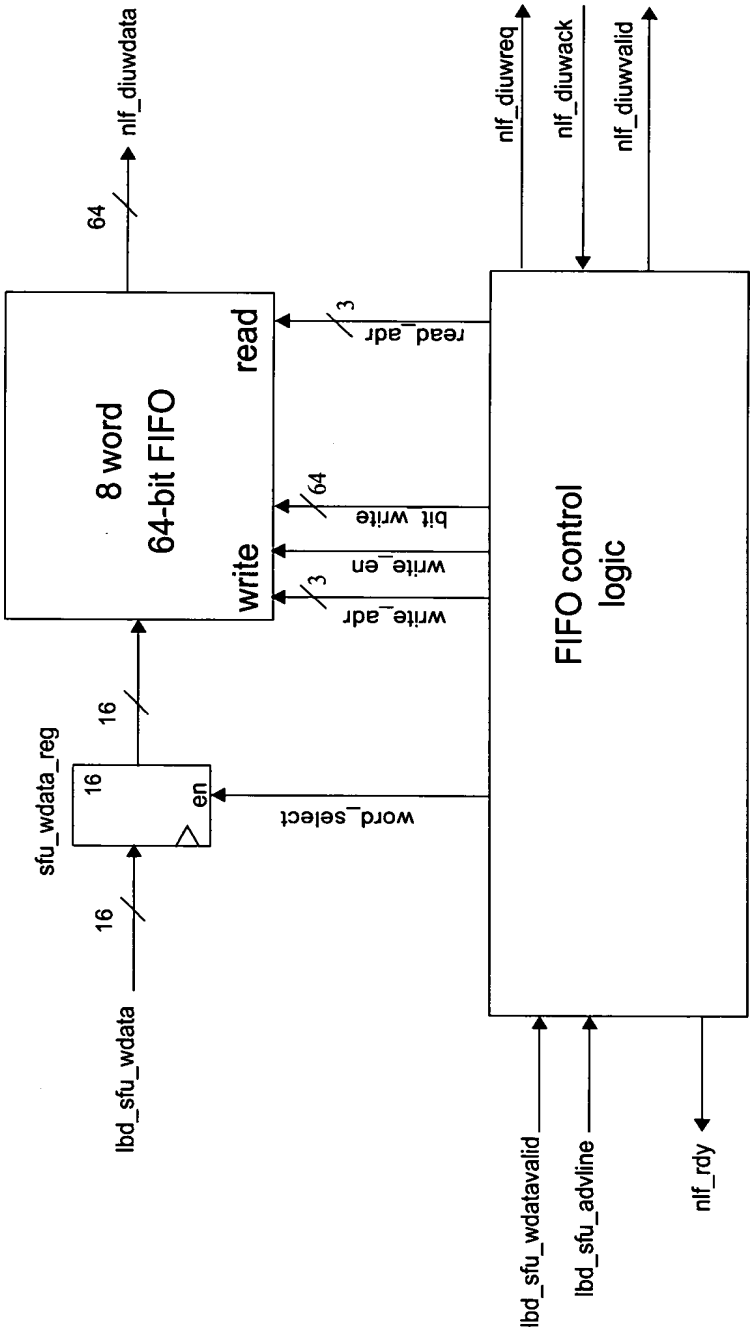


FIG. 164

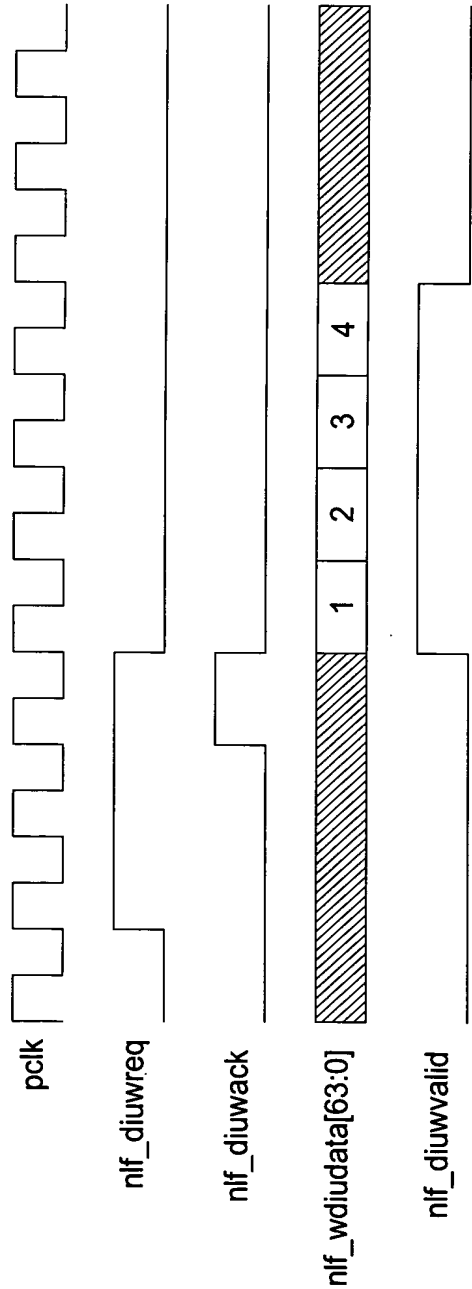


FIG. 165

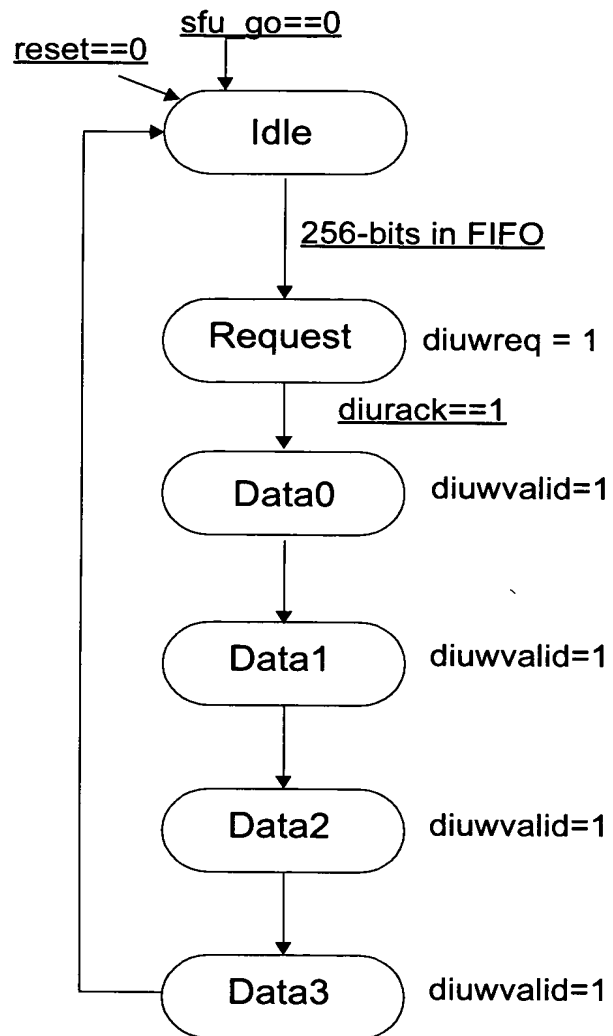


FIG. 166

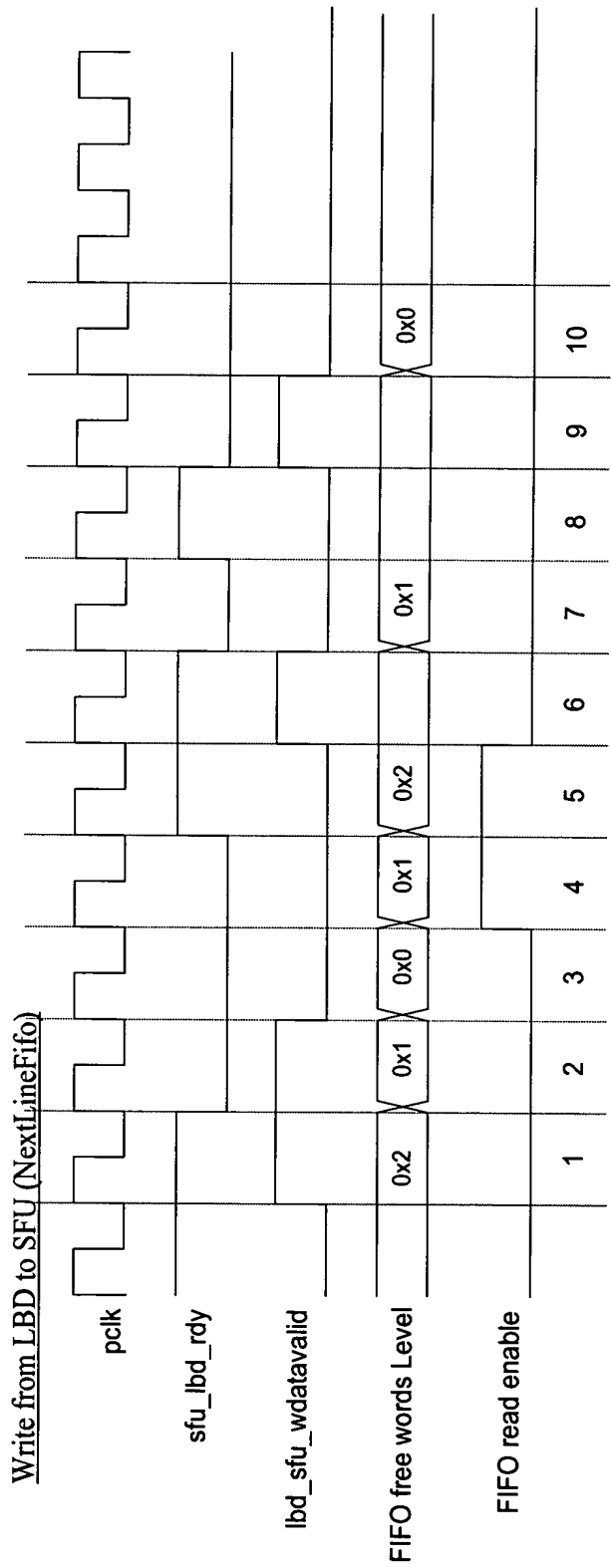


FIG. 167

Read from SFU to LBD (PreviousLineFifo)

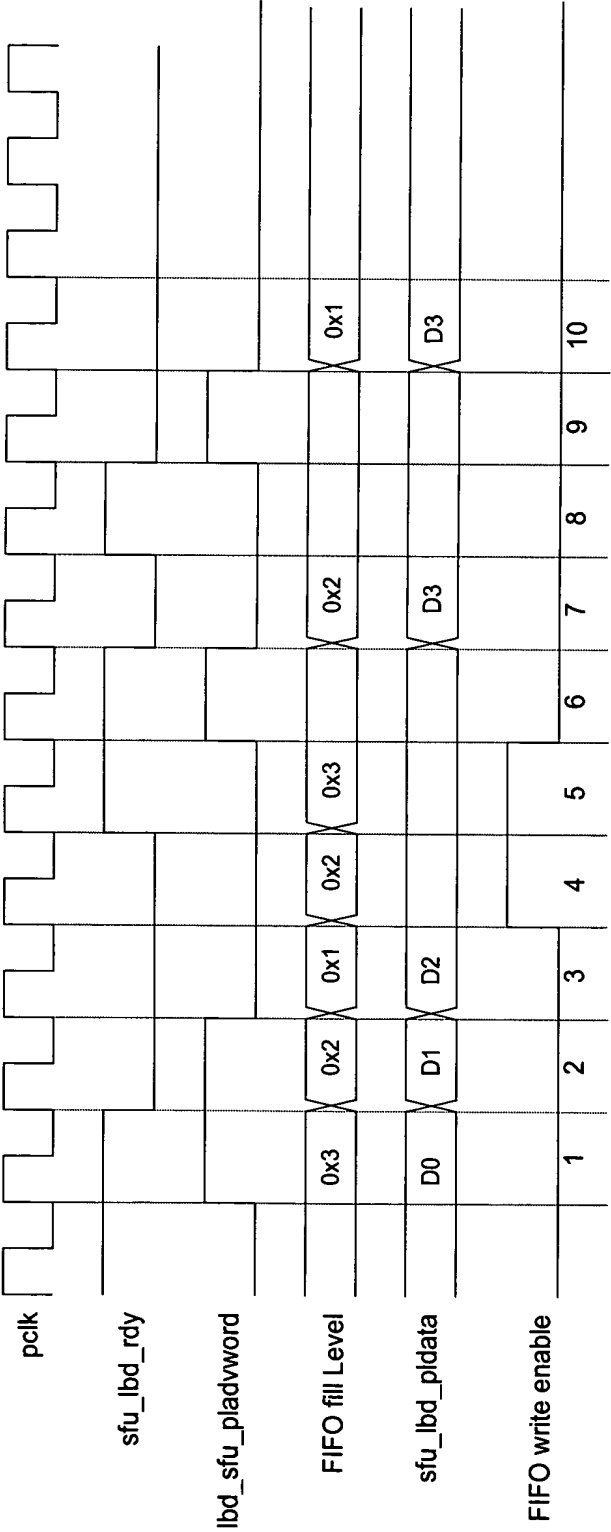


FIG. 168

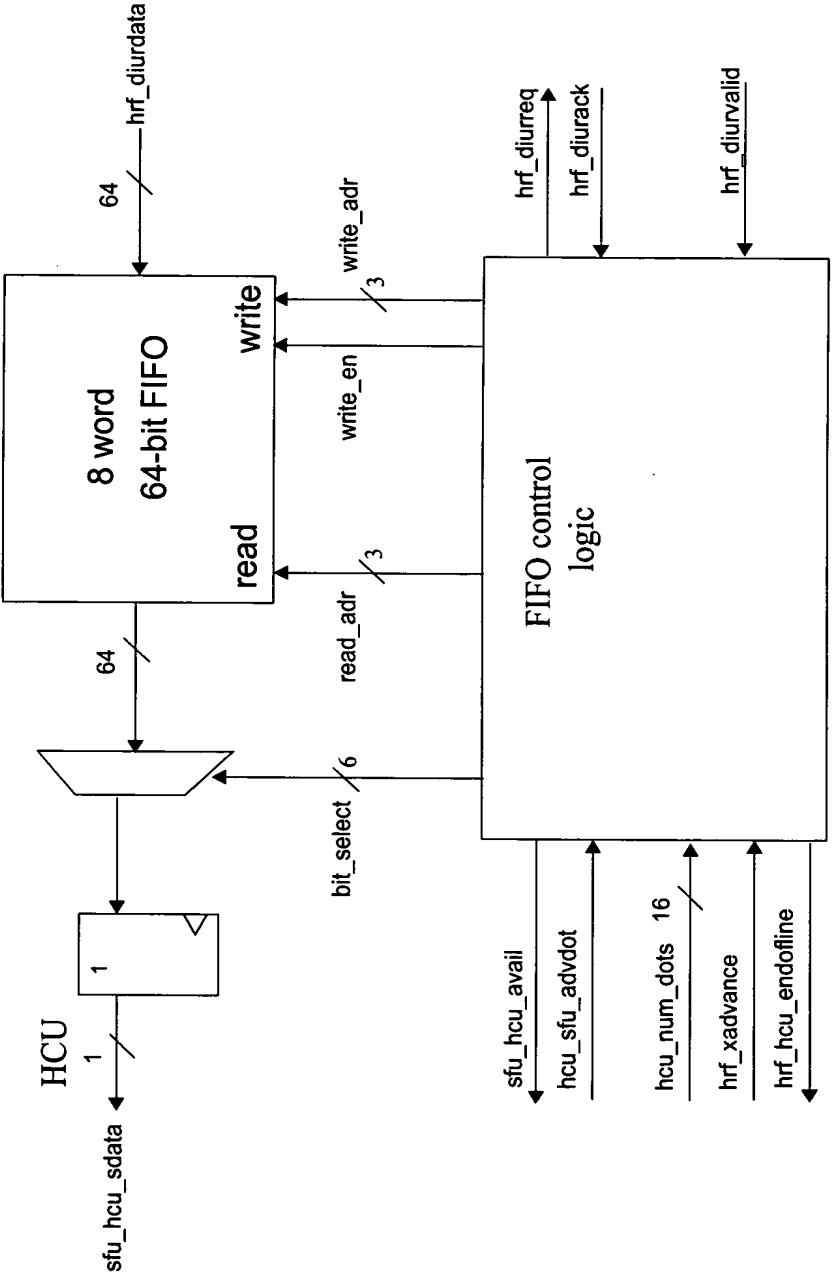


FIG. 169

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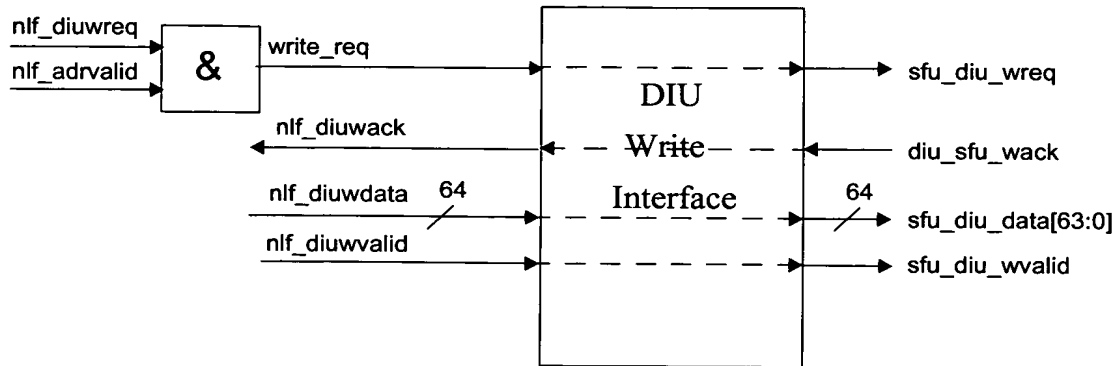


FIG. 170

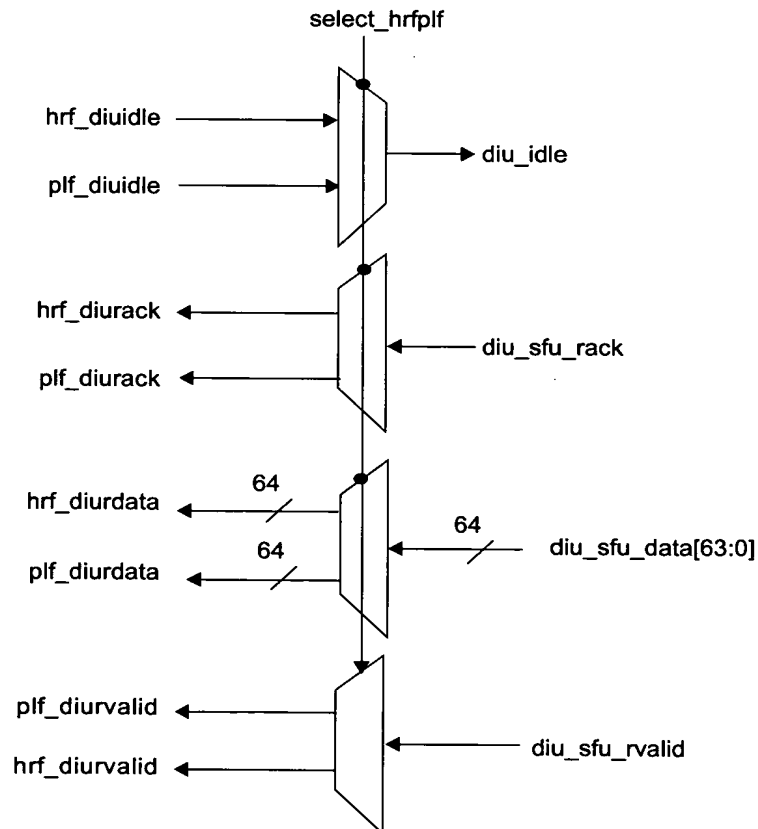


FIG. 171

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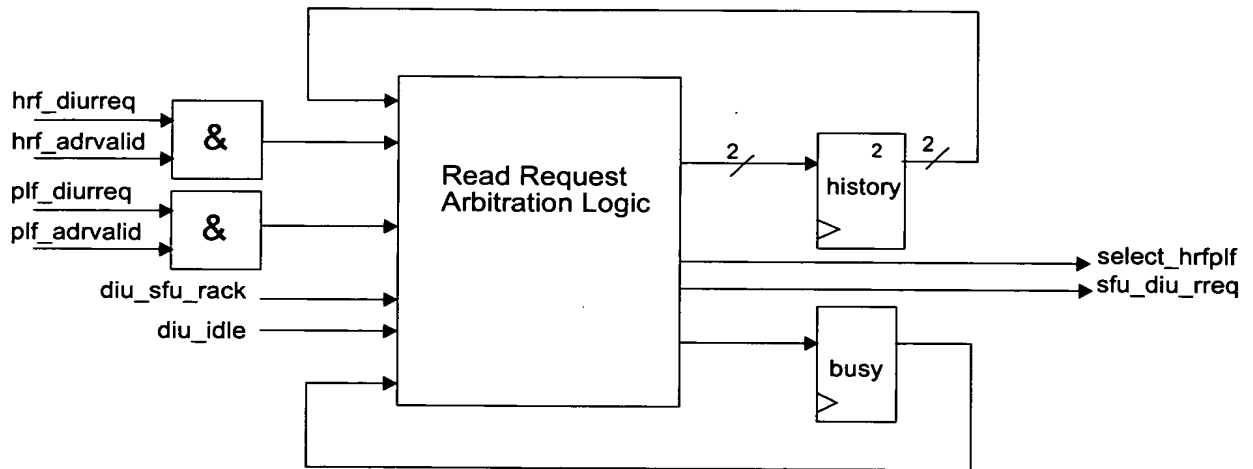


FIG. 172

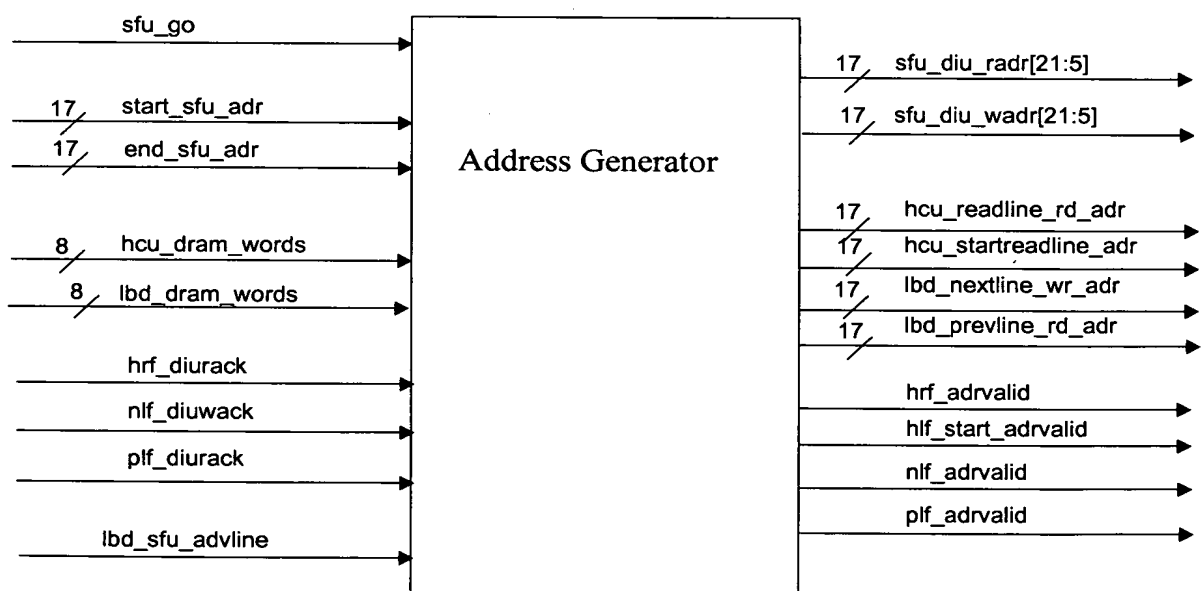


FIG. 173

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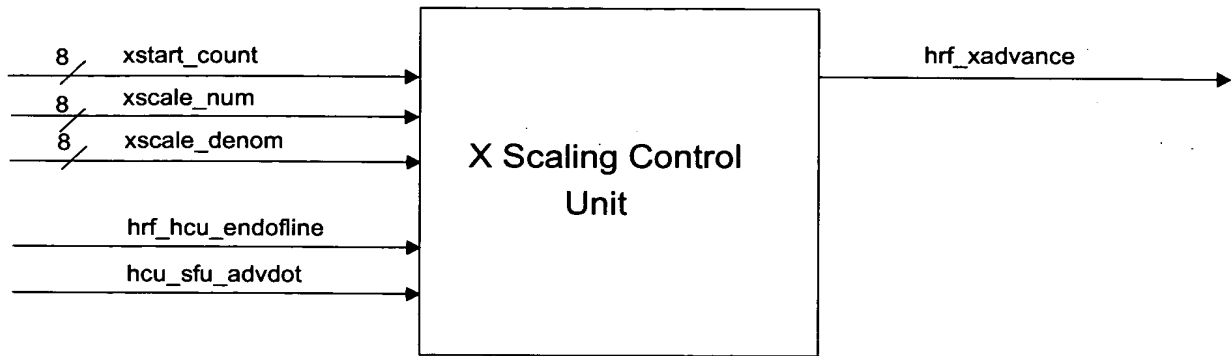


FIG. 174

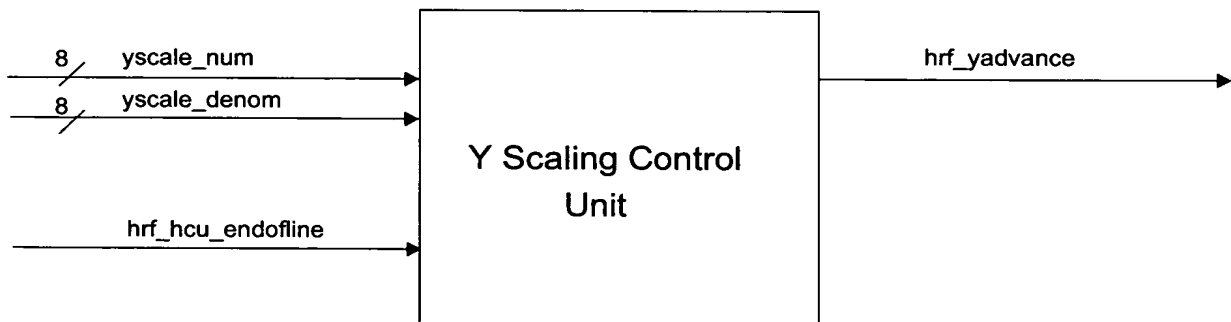


FIG. 175

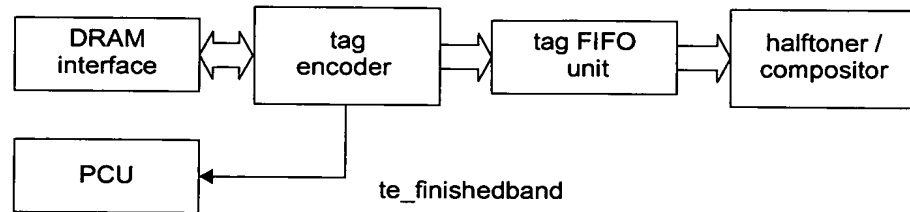


FIG. 177

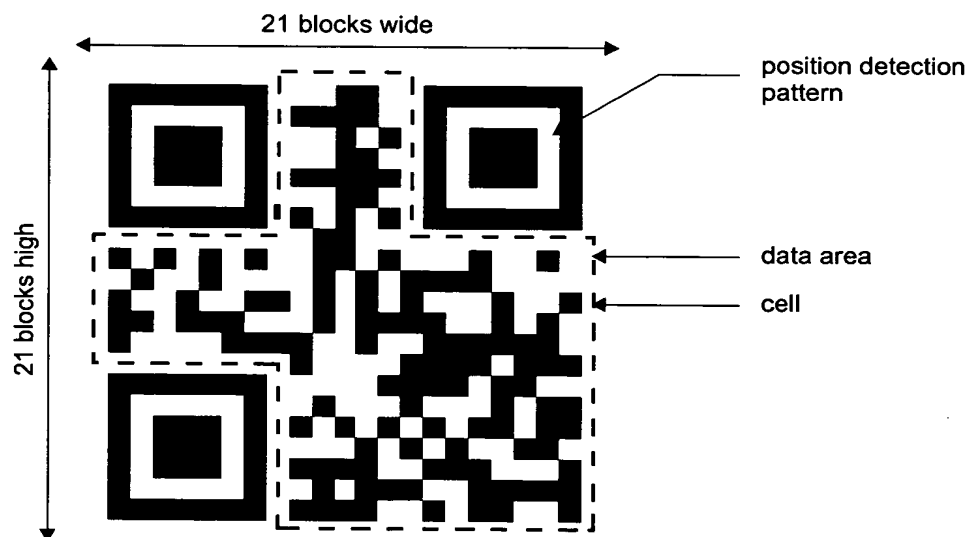
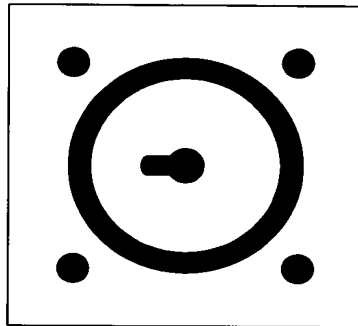
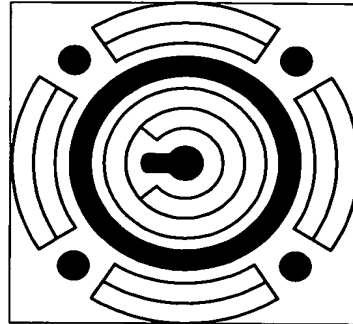


FIG. 178

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(a) Netpage tag background pattern



(b) Netpage tag showing data area

FIG. 179

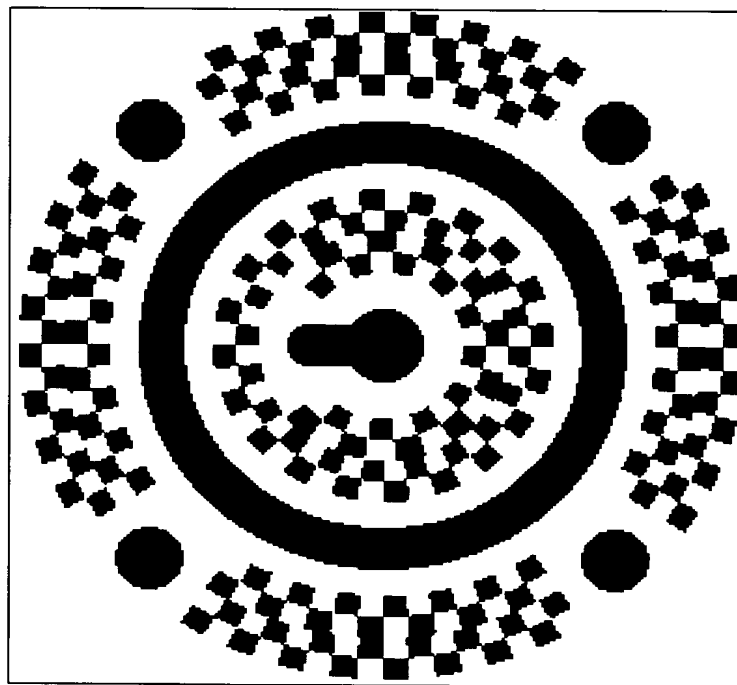


FIG. 180

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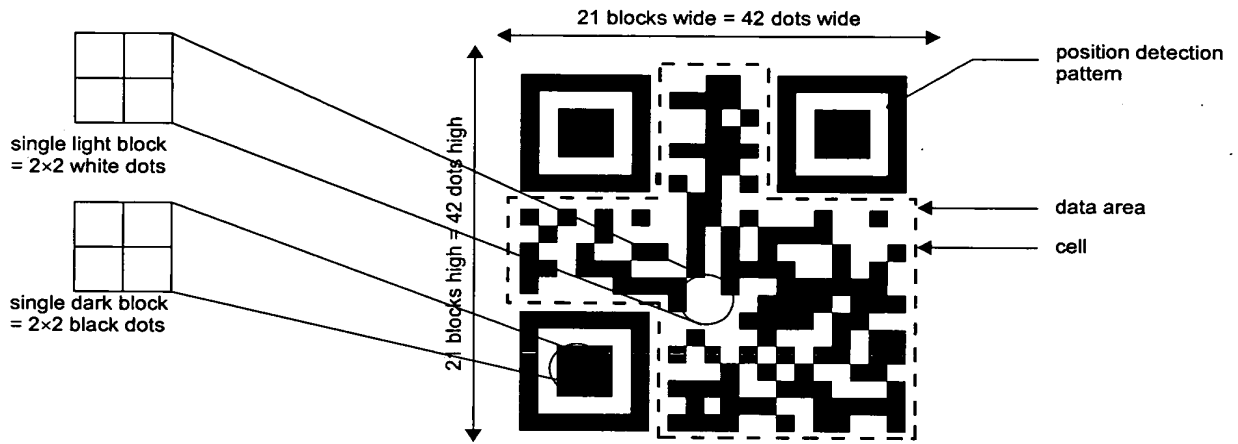


FIG. 181

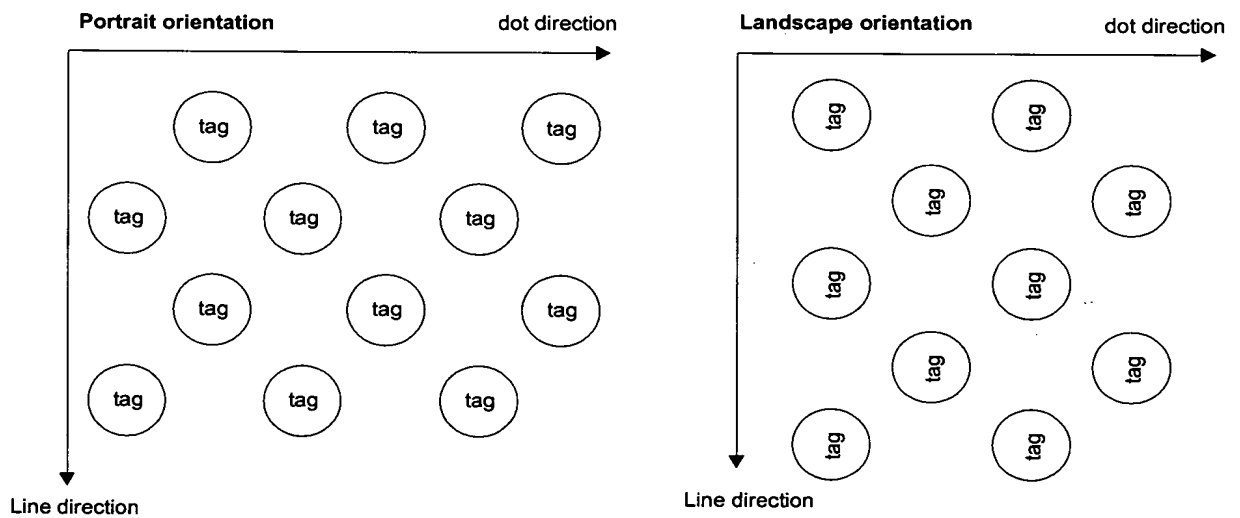


FIG. 182

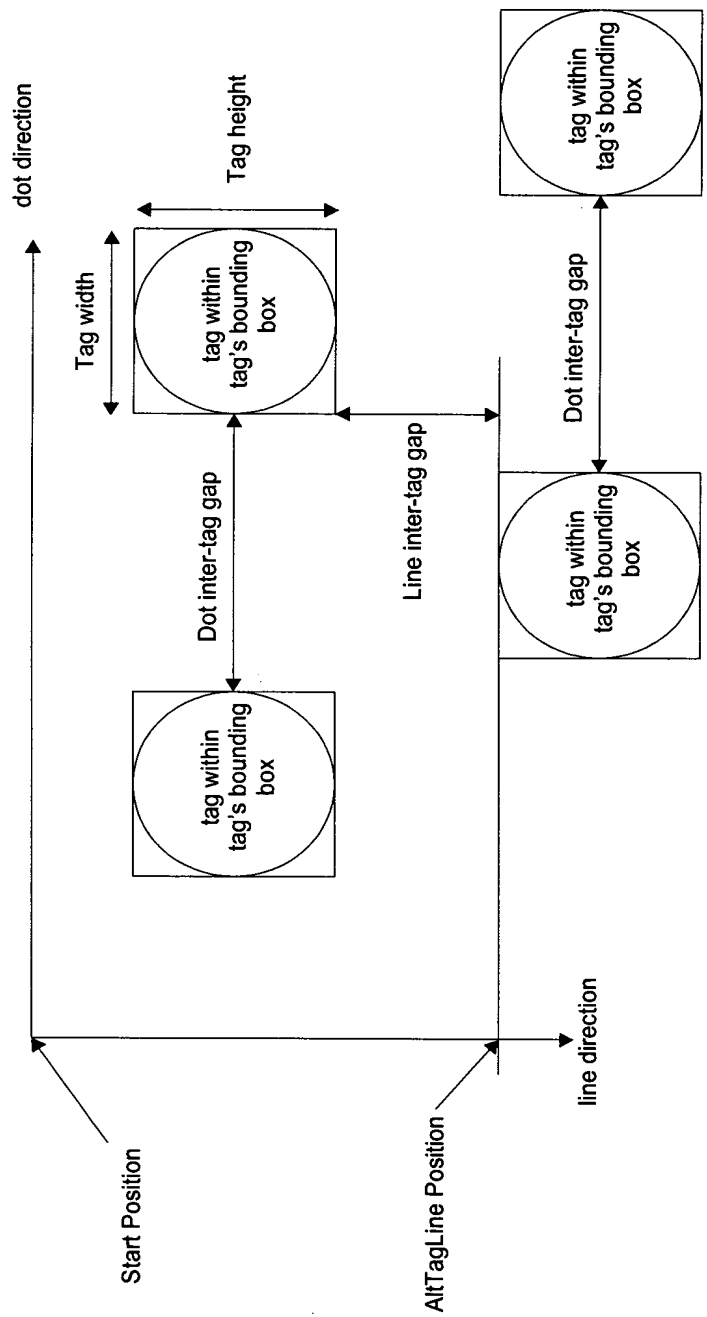


FIG. 183

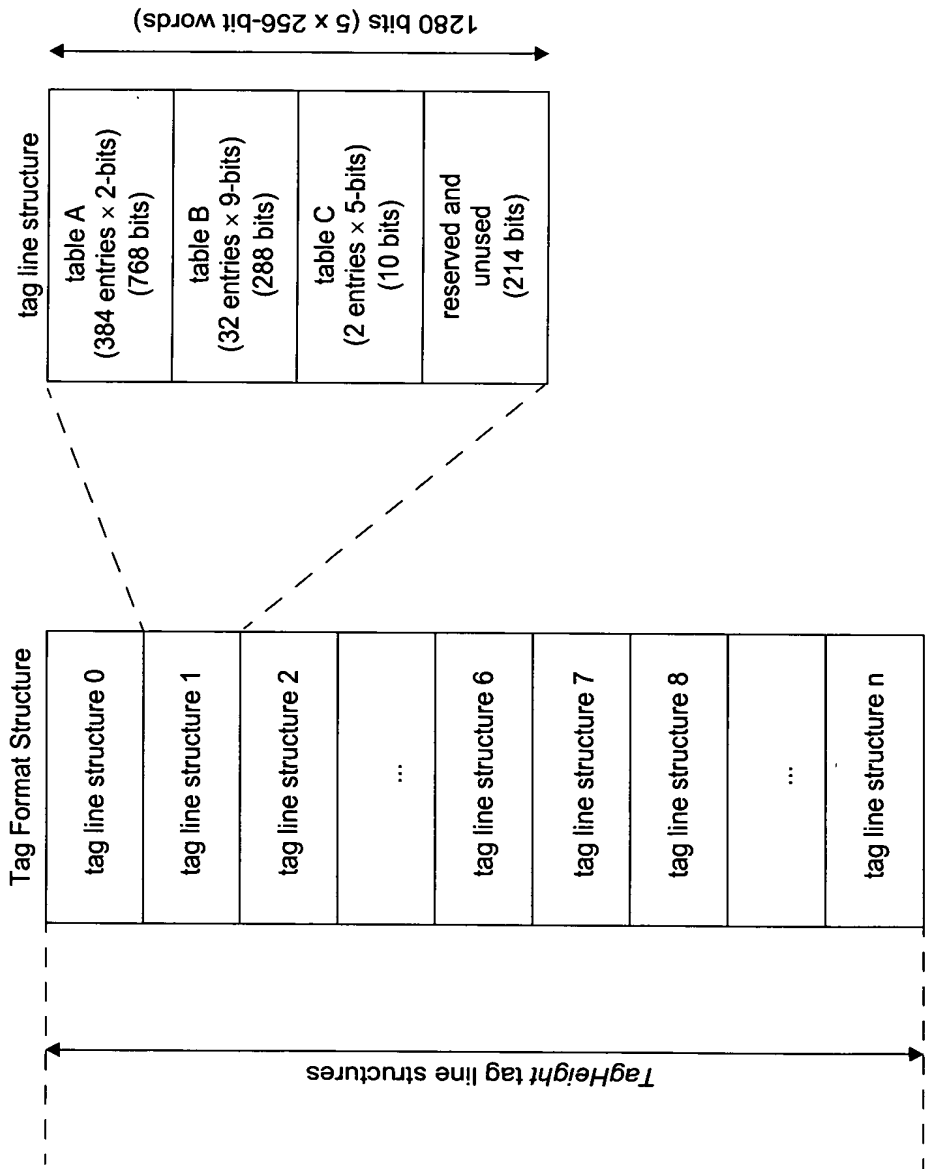


FIG. 184

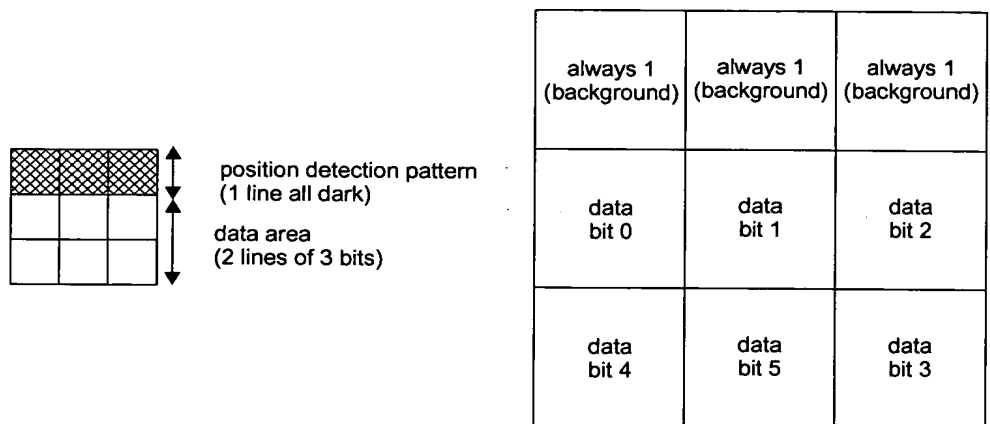


FIG. 185

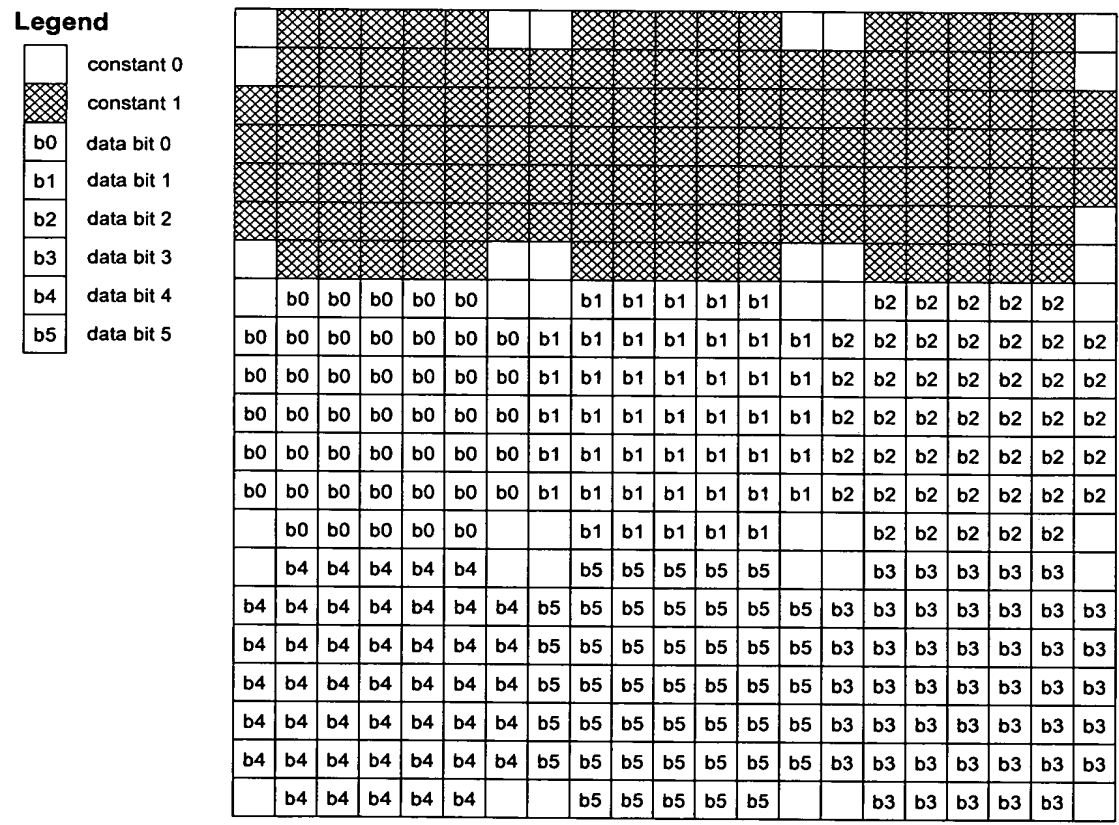


FIG. 186

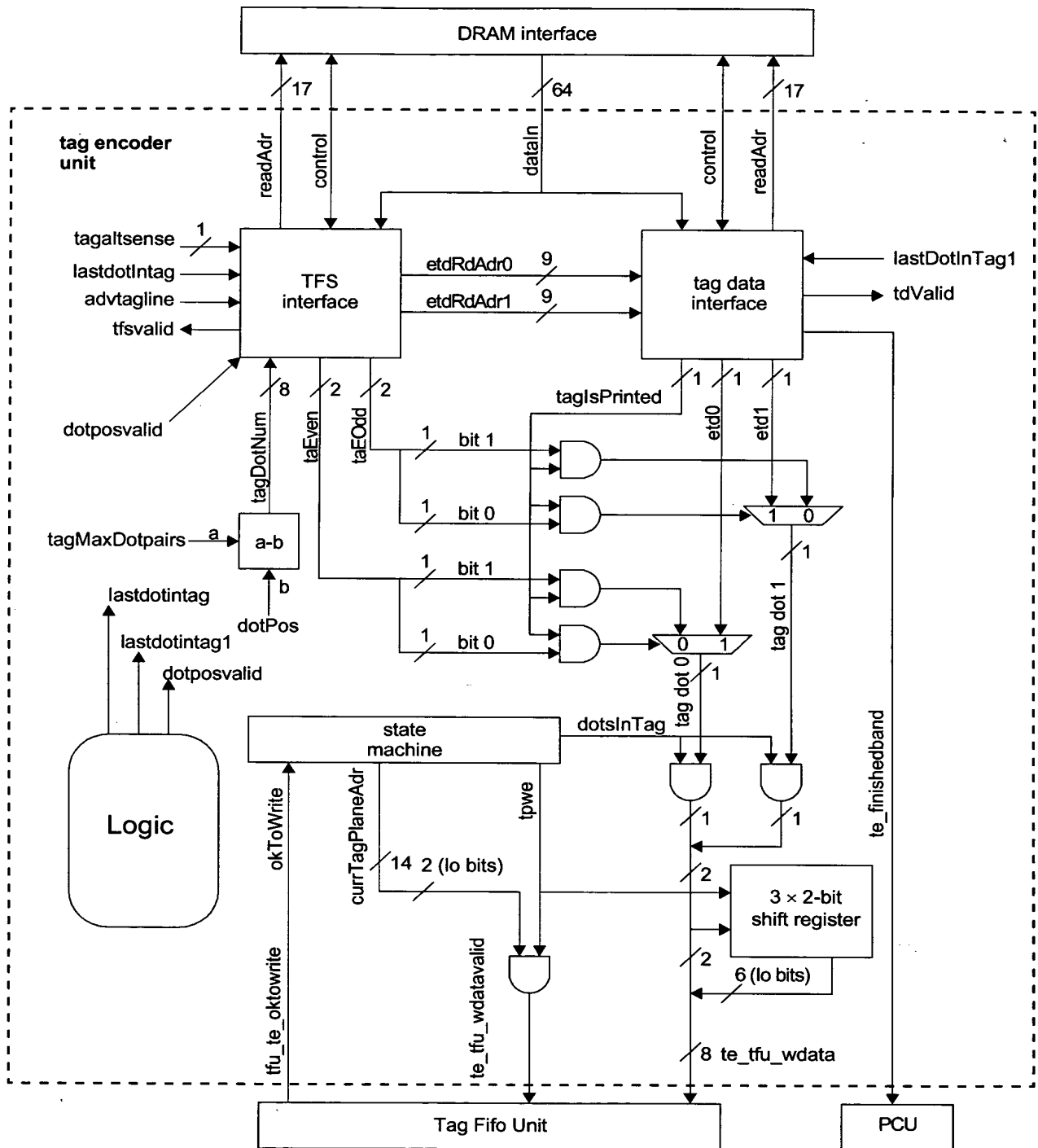


FIG. 187

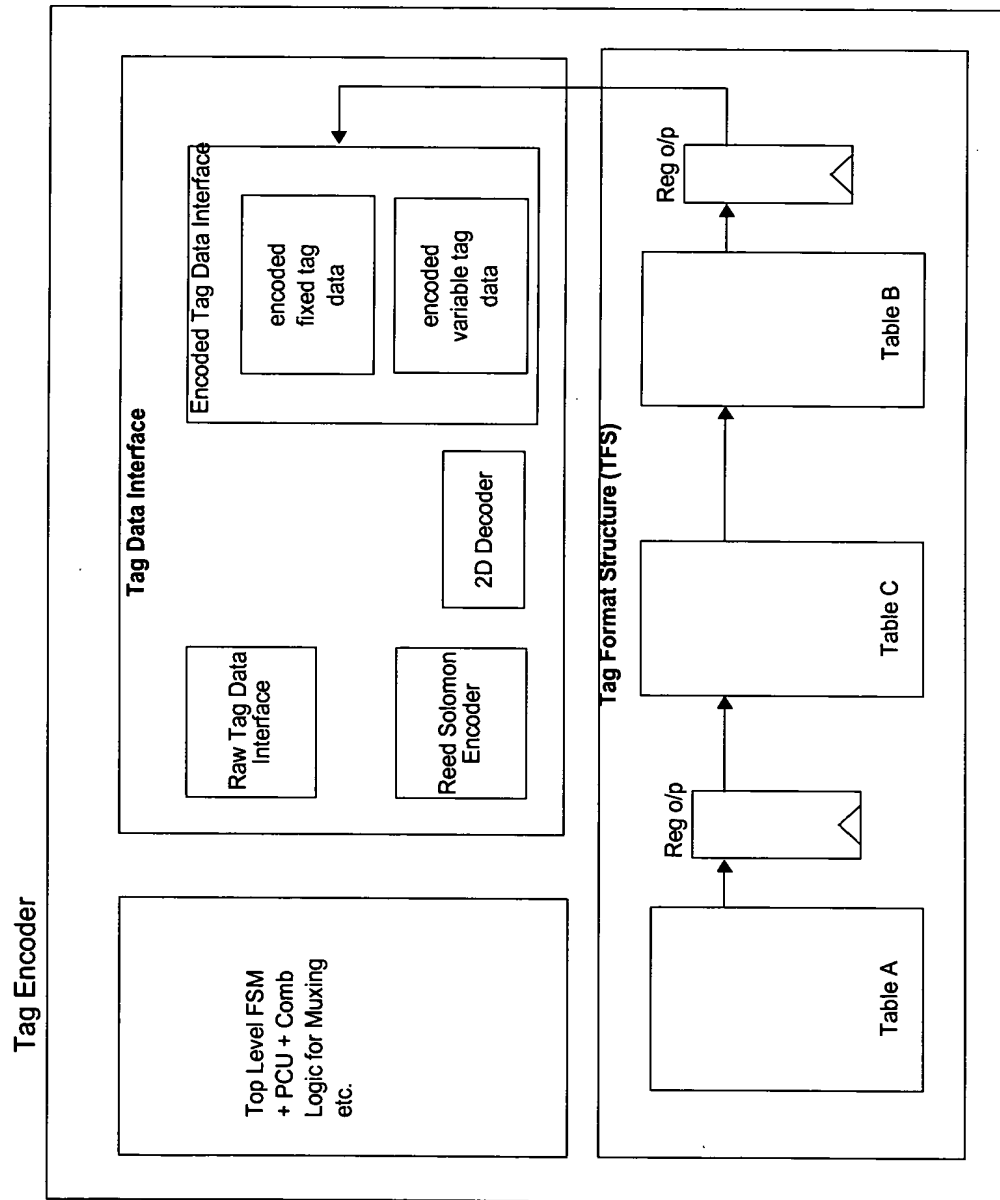


FIG. 188

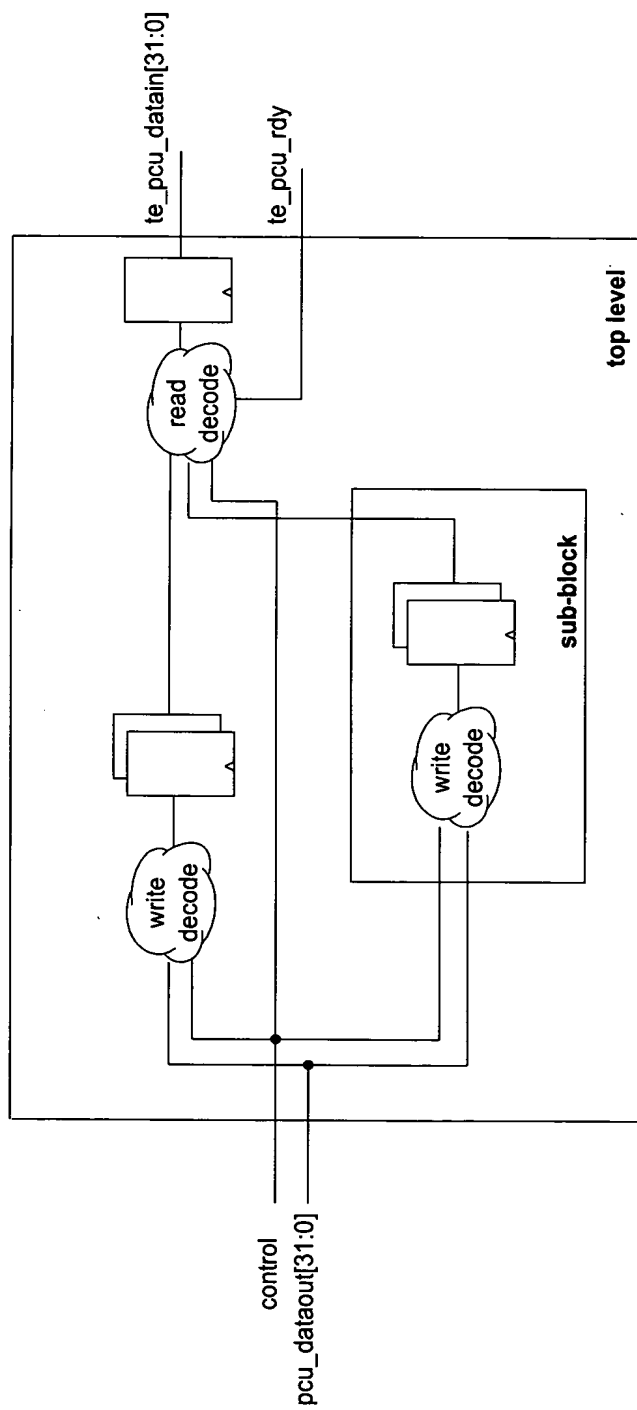


FIG. 189

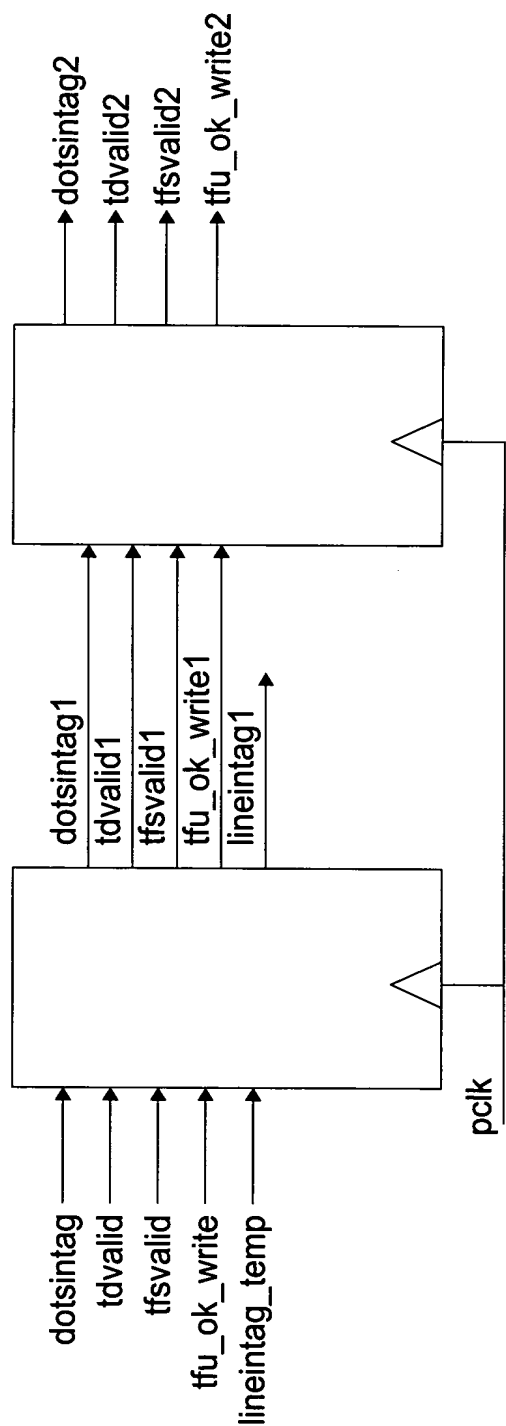


FIG. 191

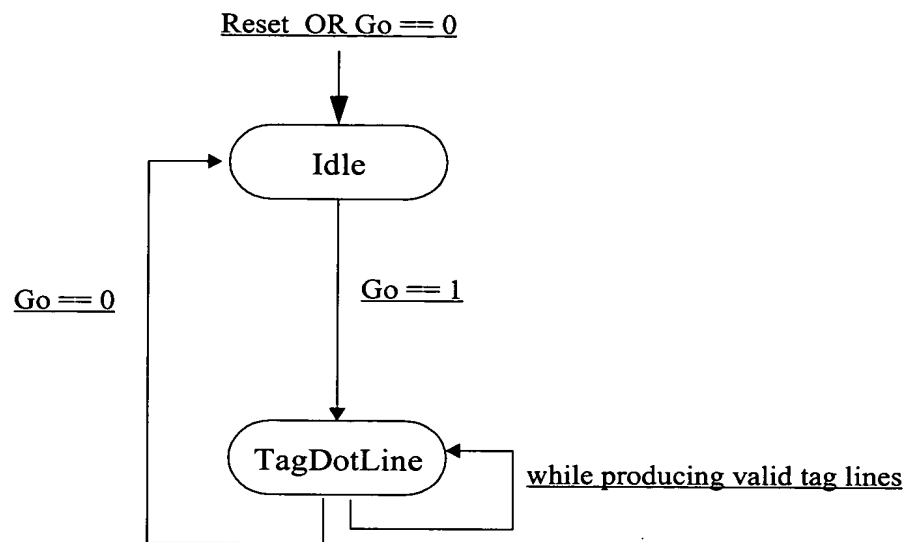


FIG. 190

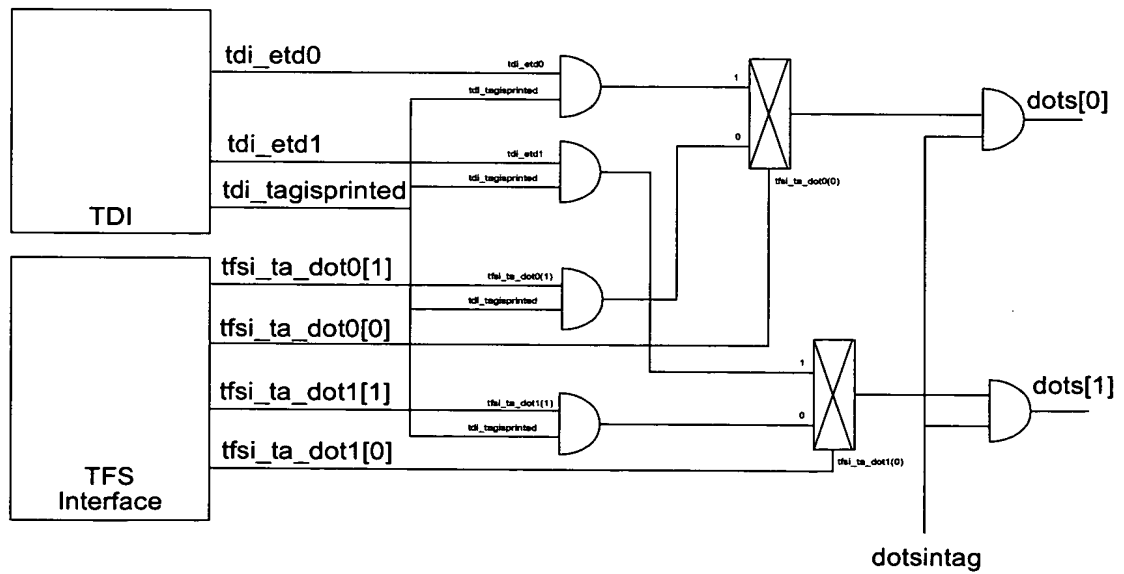


FIG. 192

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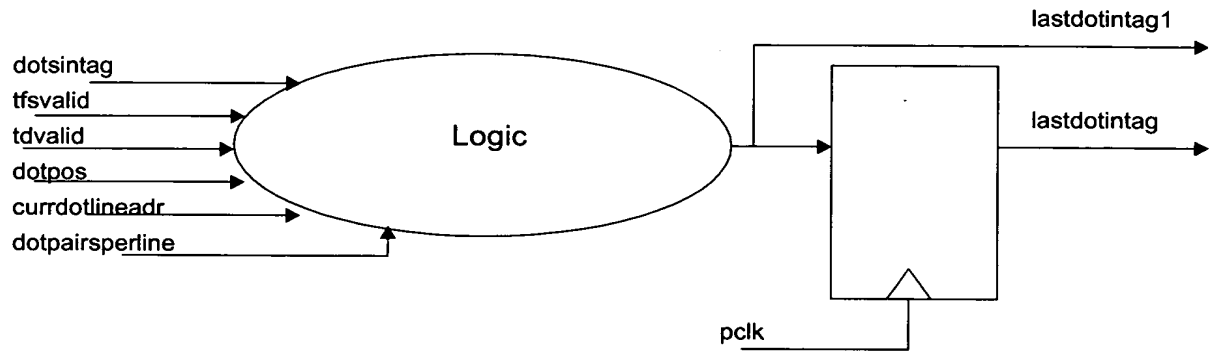


FIG. 193

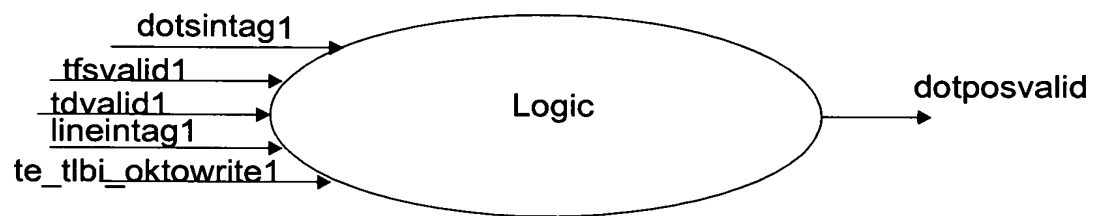


FIG. 194

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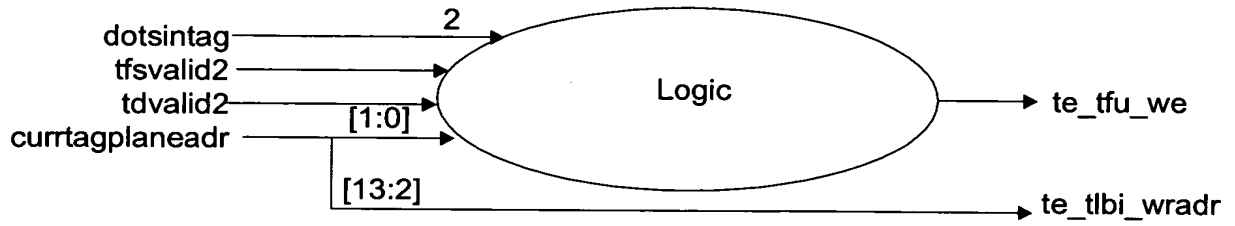


FIG. 195

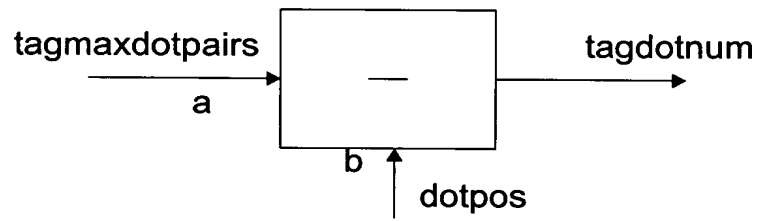


FIG. 196

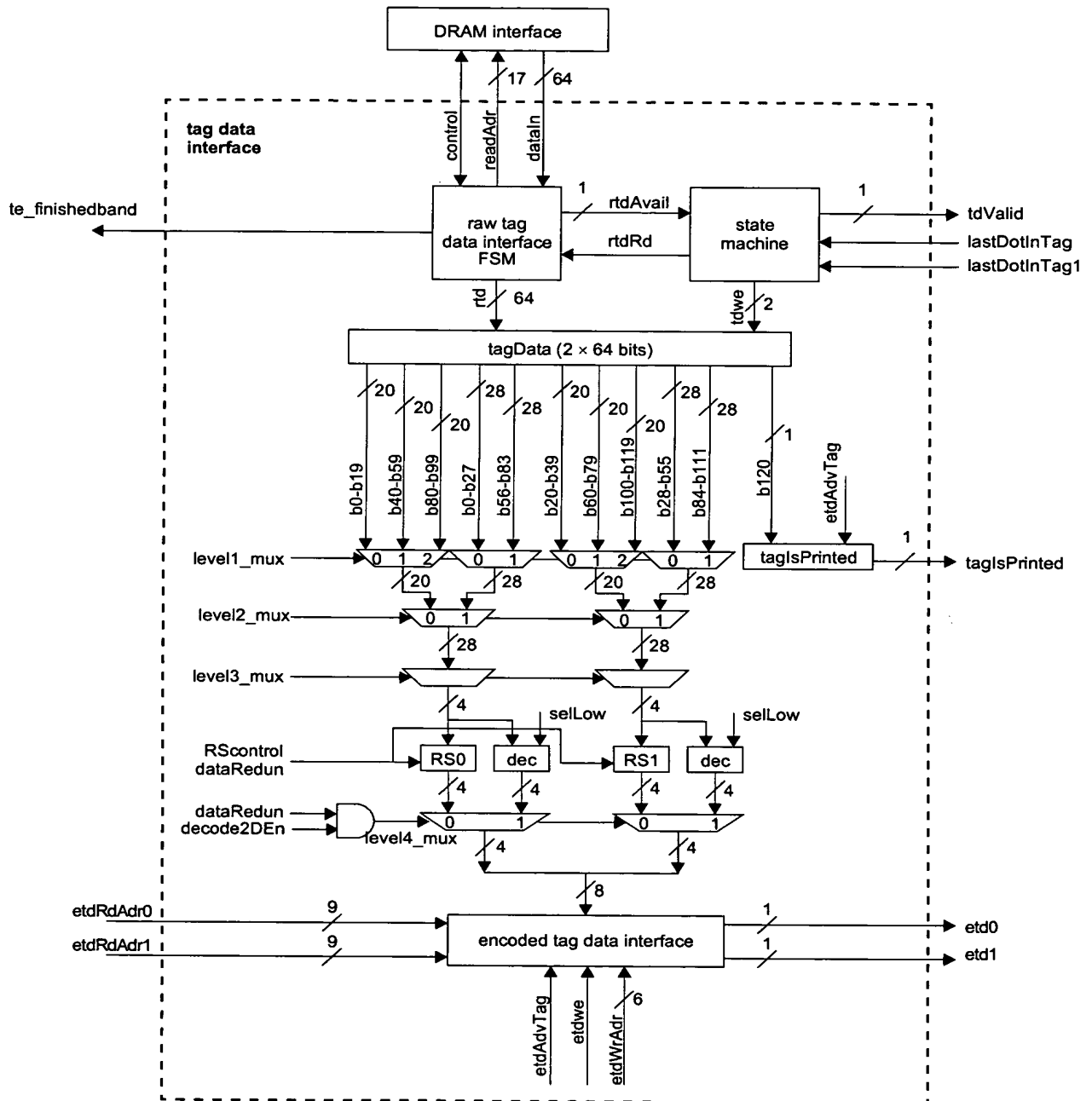


FIG. 197

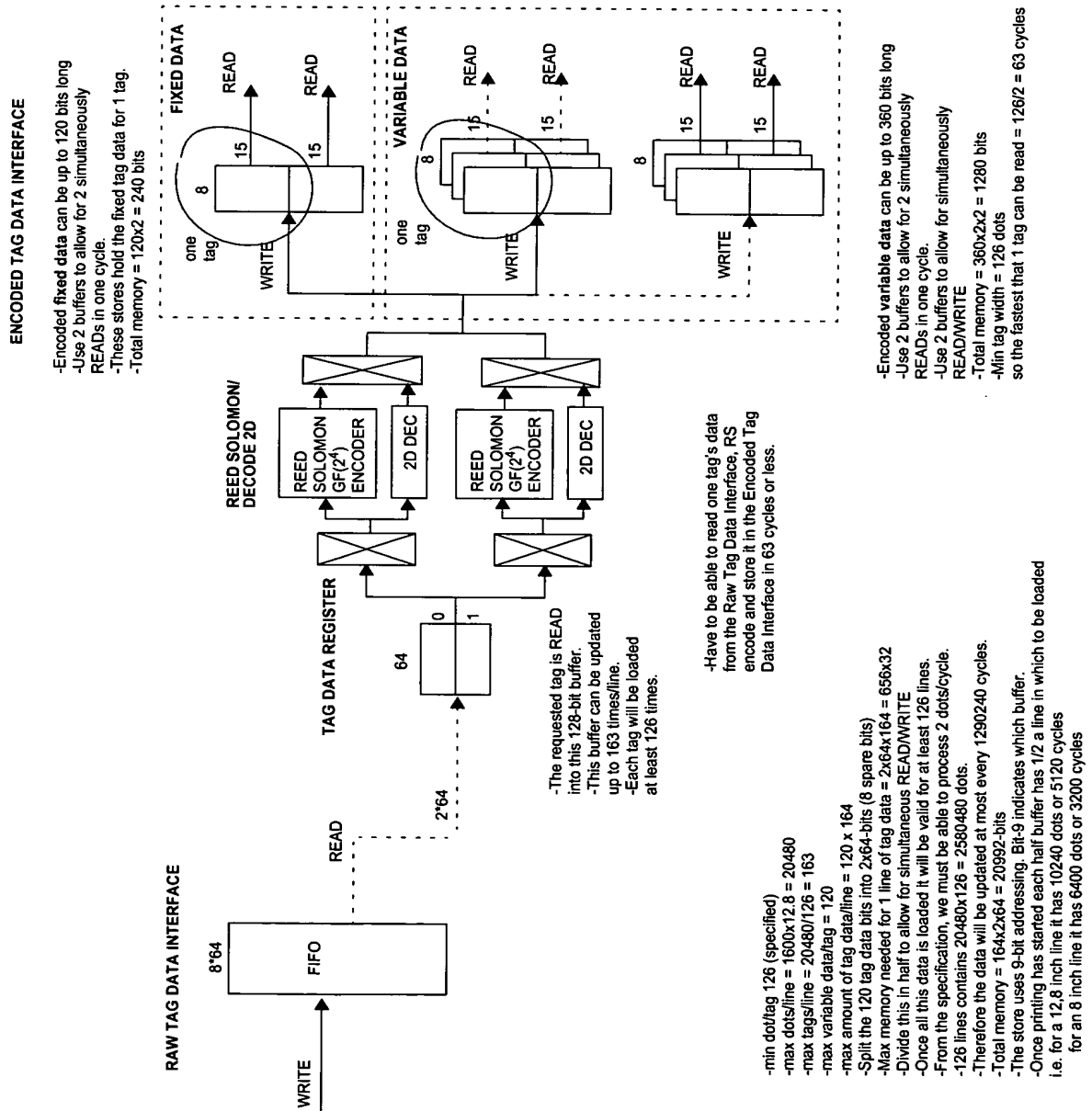


FIG. 198

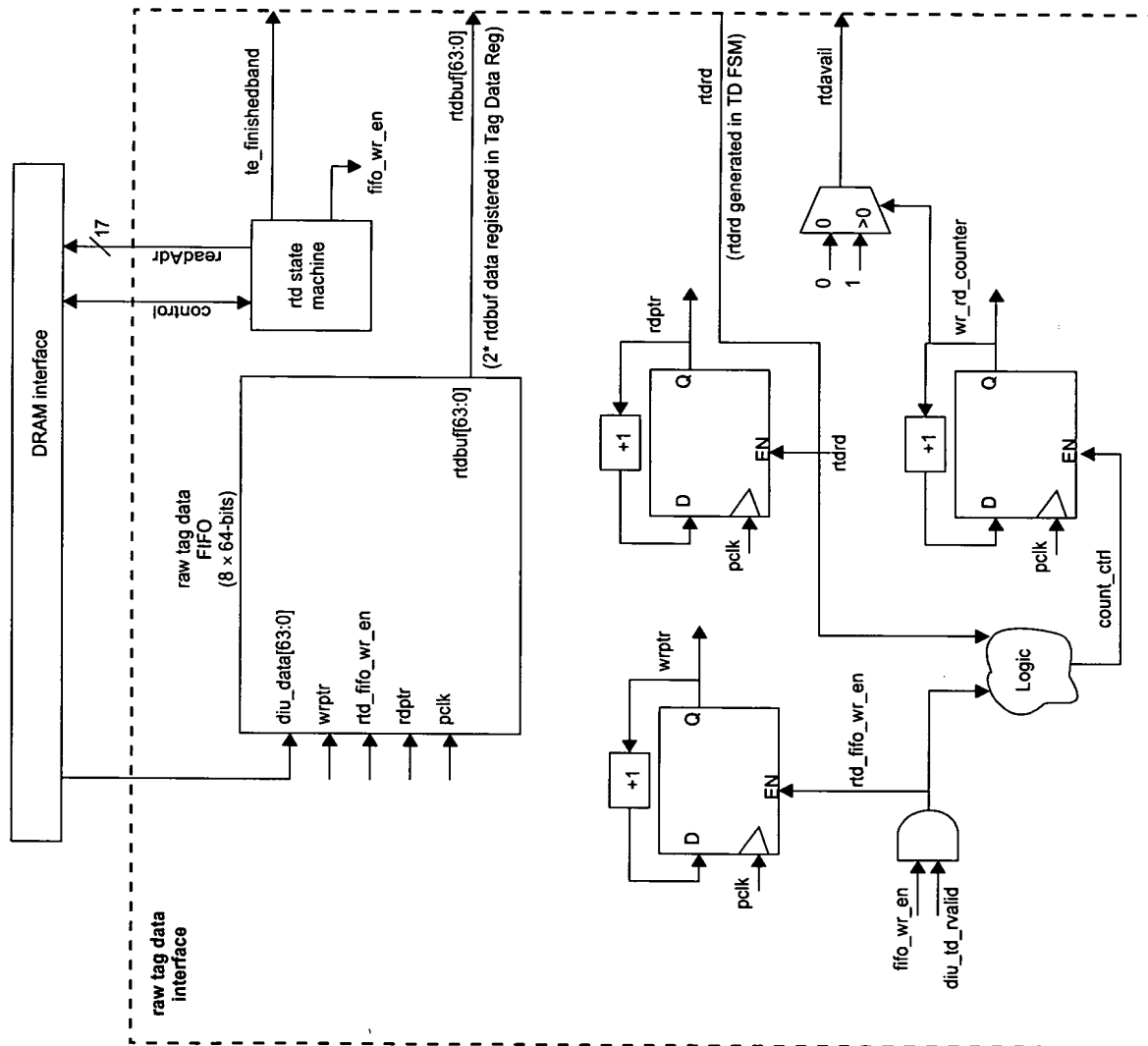


FIG. 199

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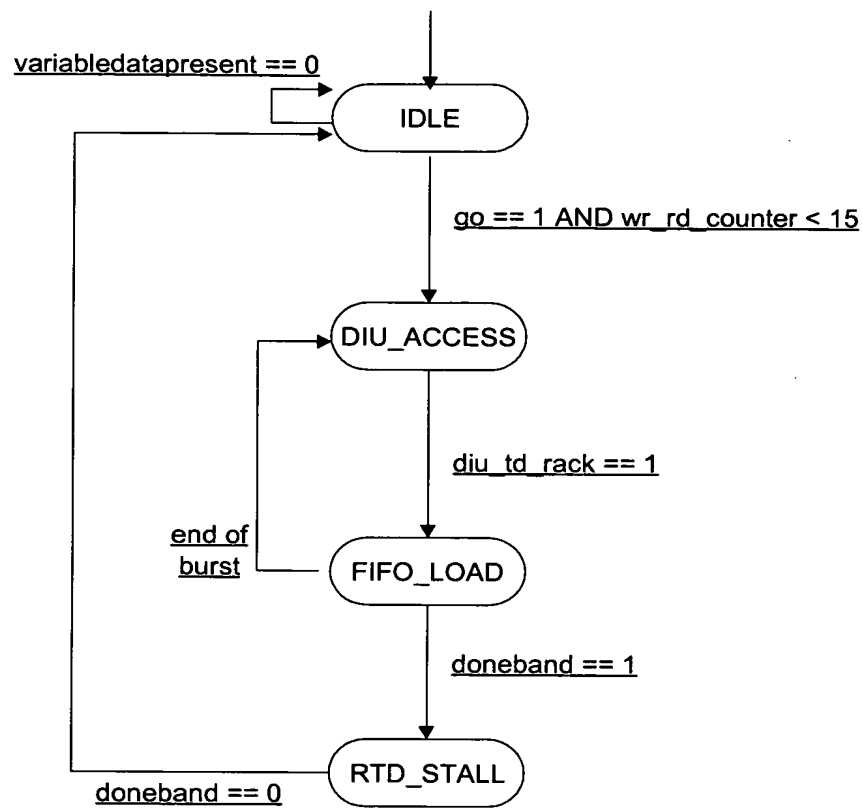


FIG. 200

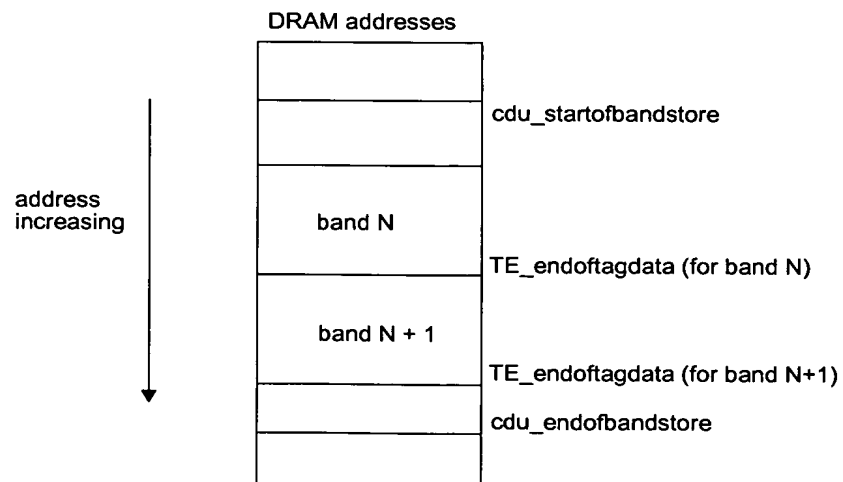


FIG. 201

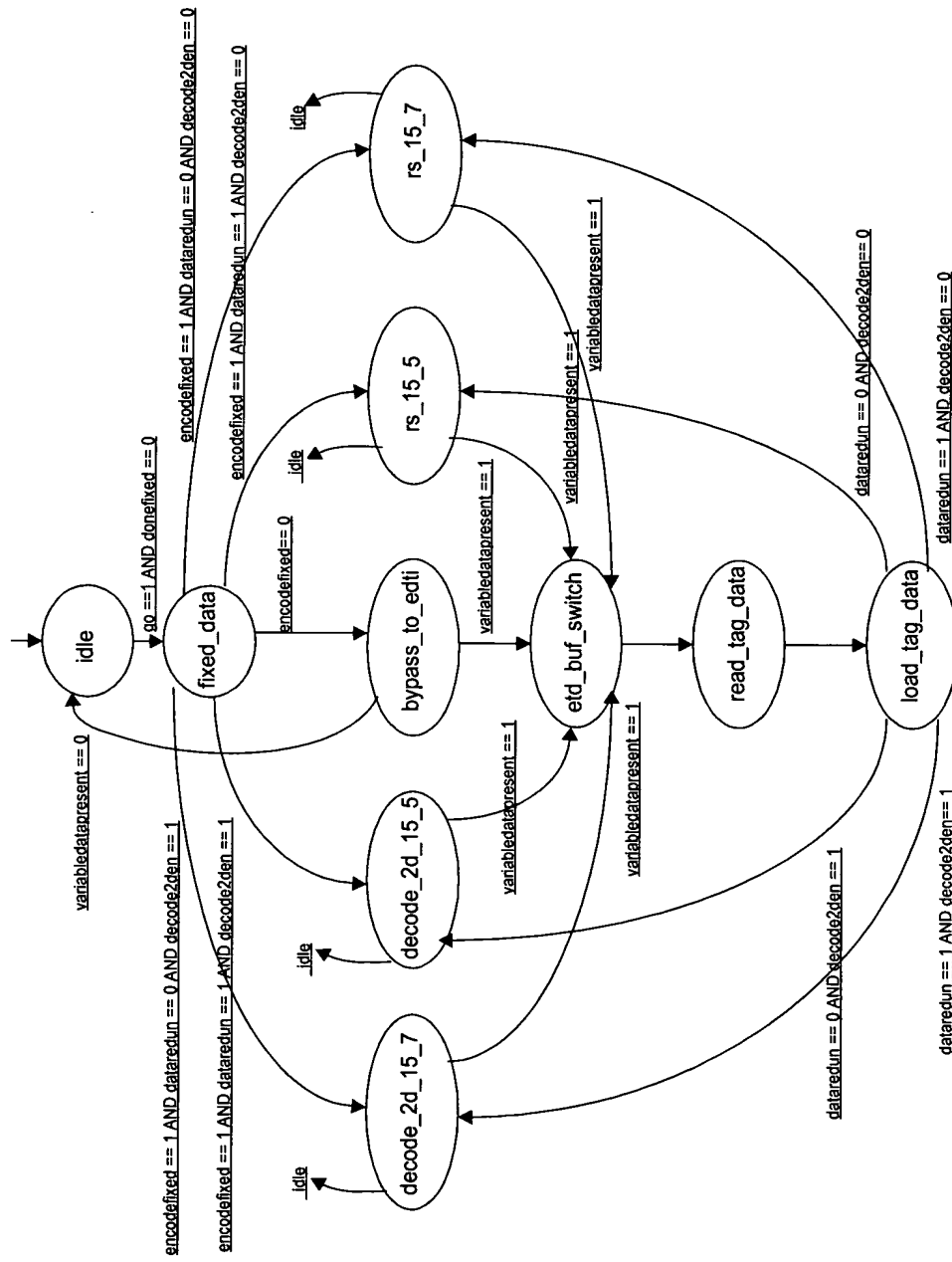


FIG. 202

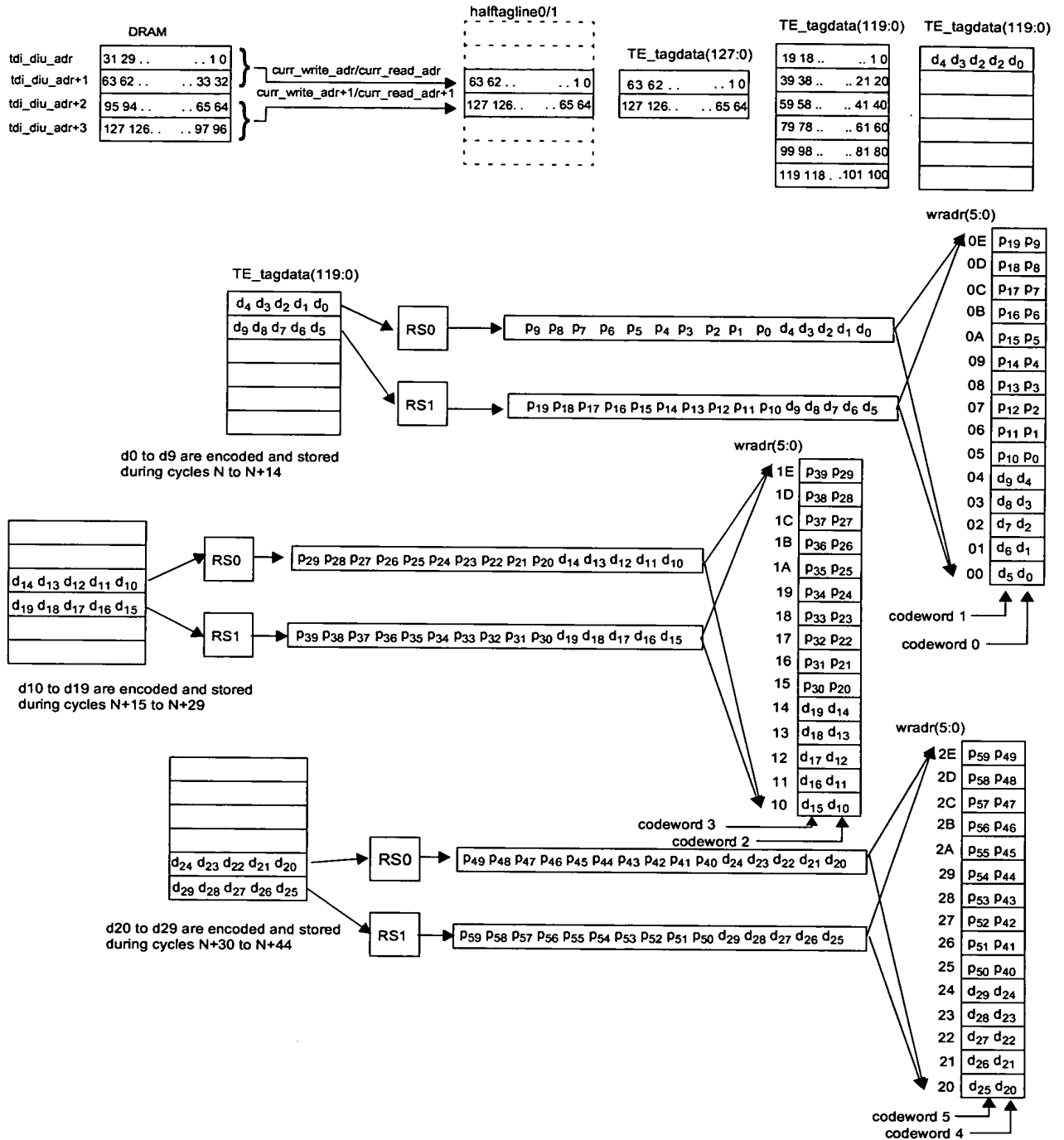


FIG. 203

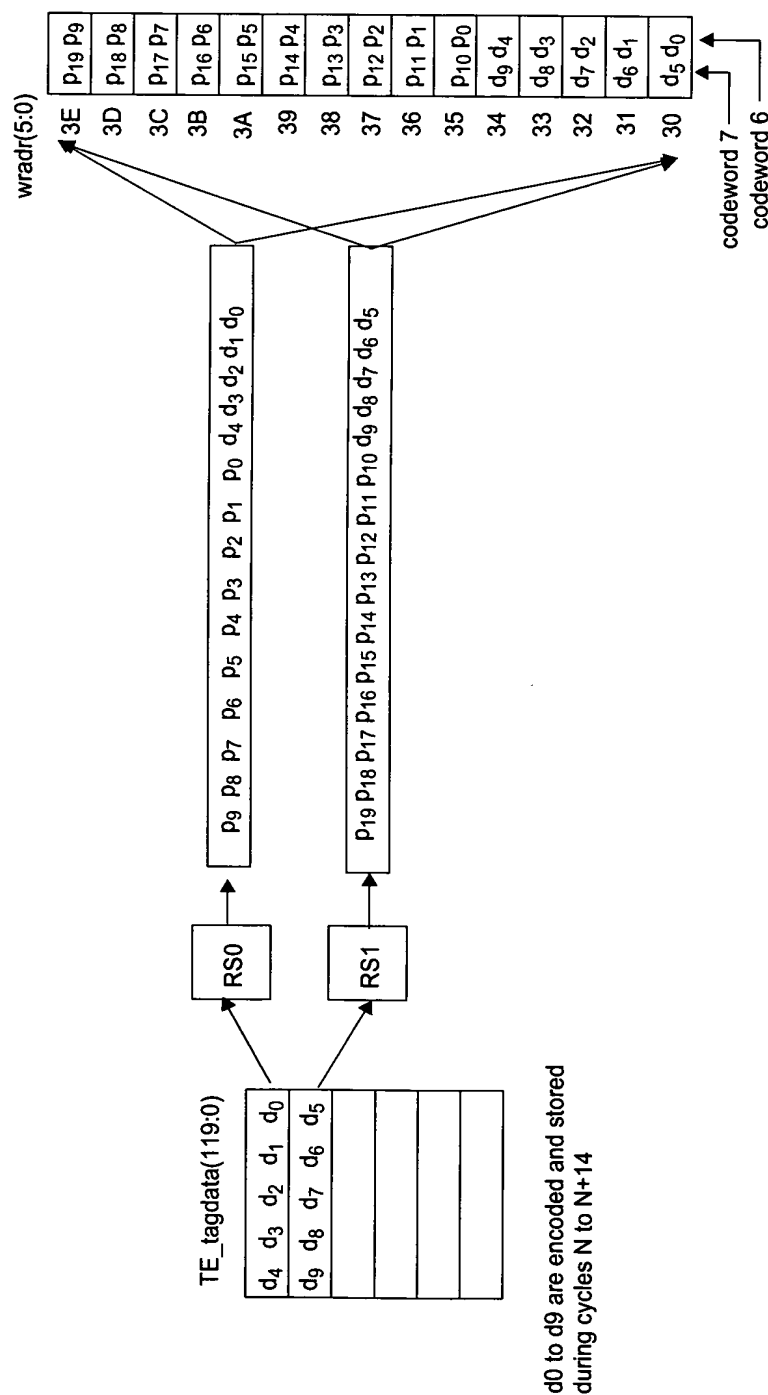


FIG. 204

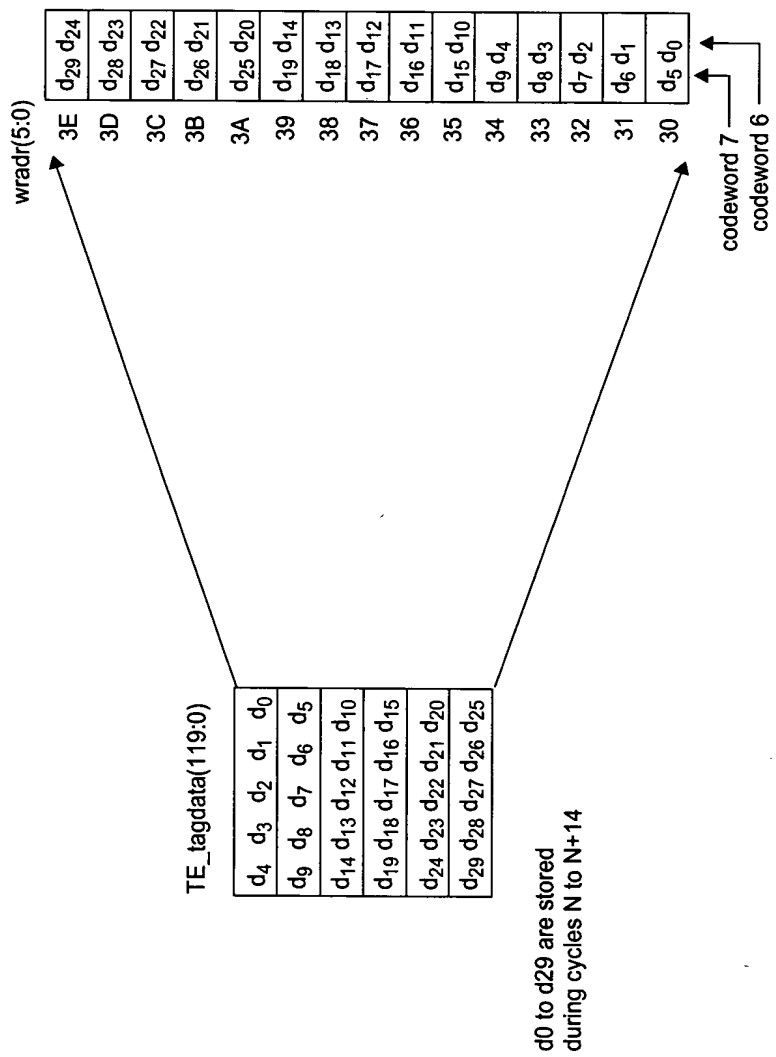


FIG. 205

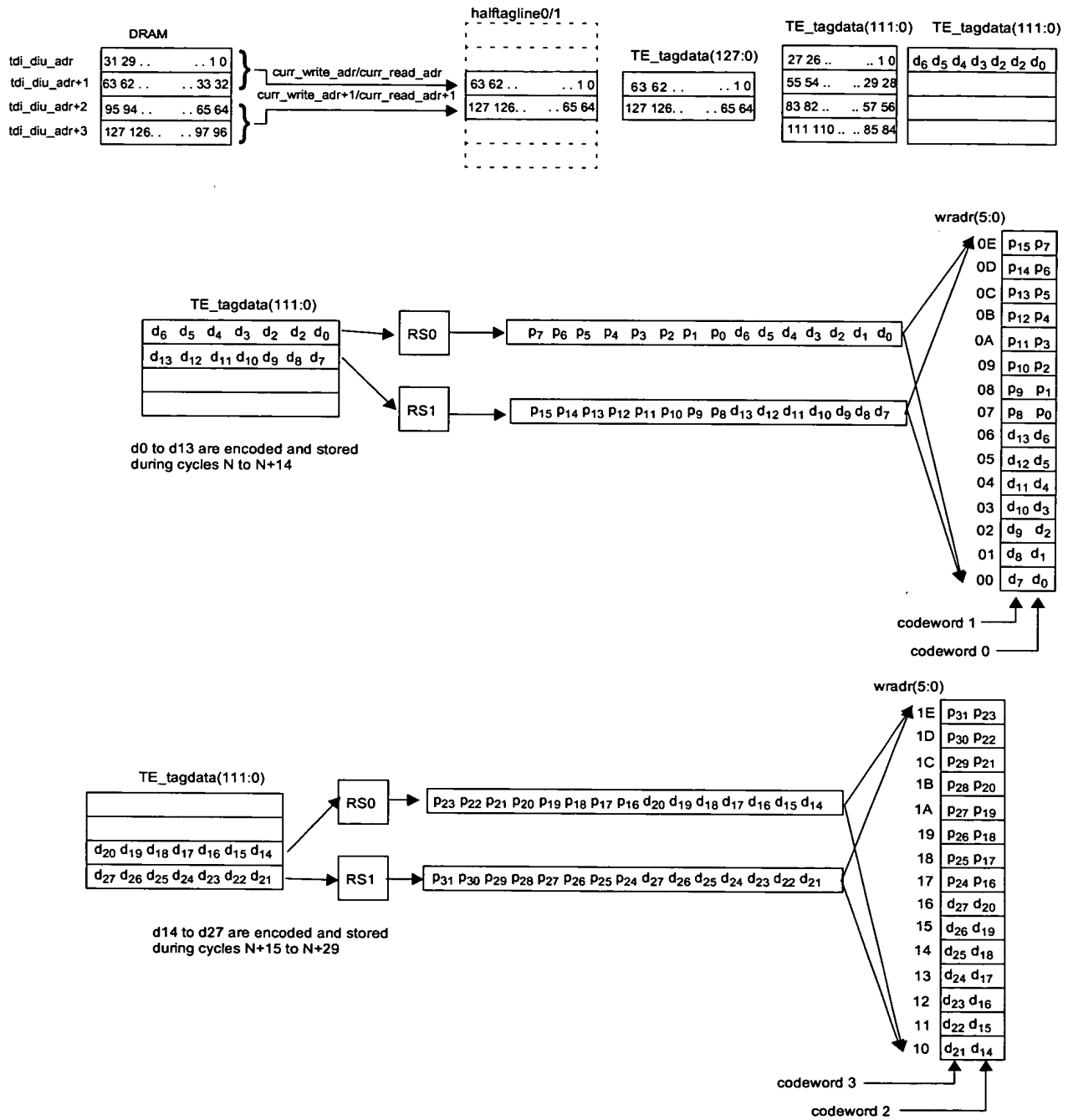


FIG. 206

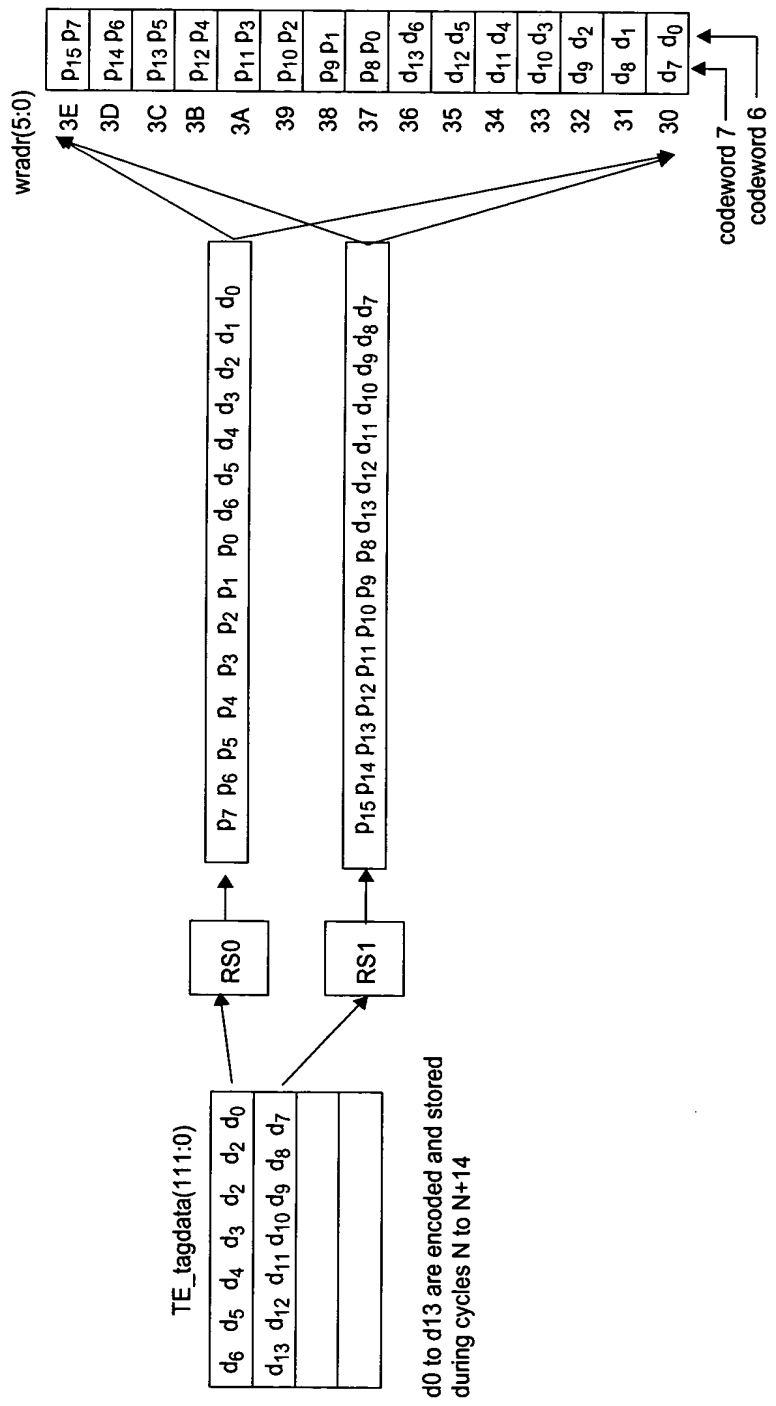


FIG. 207

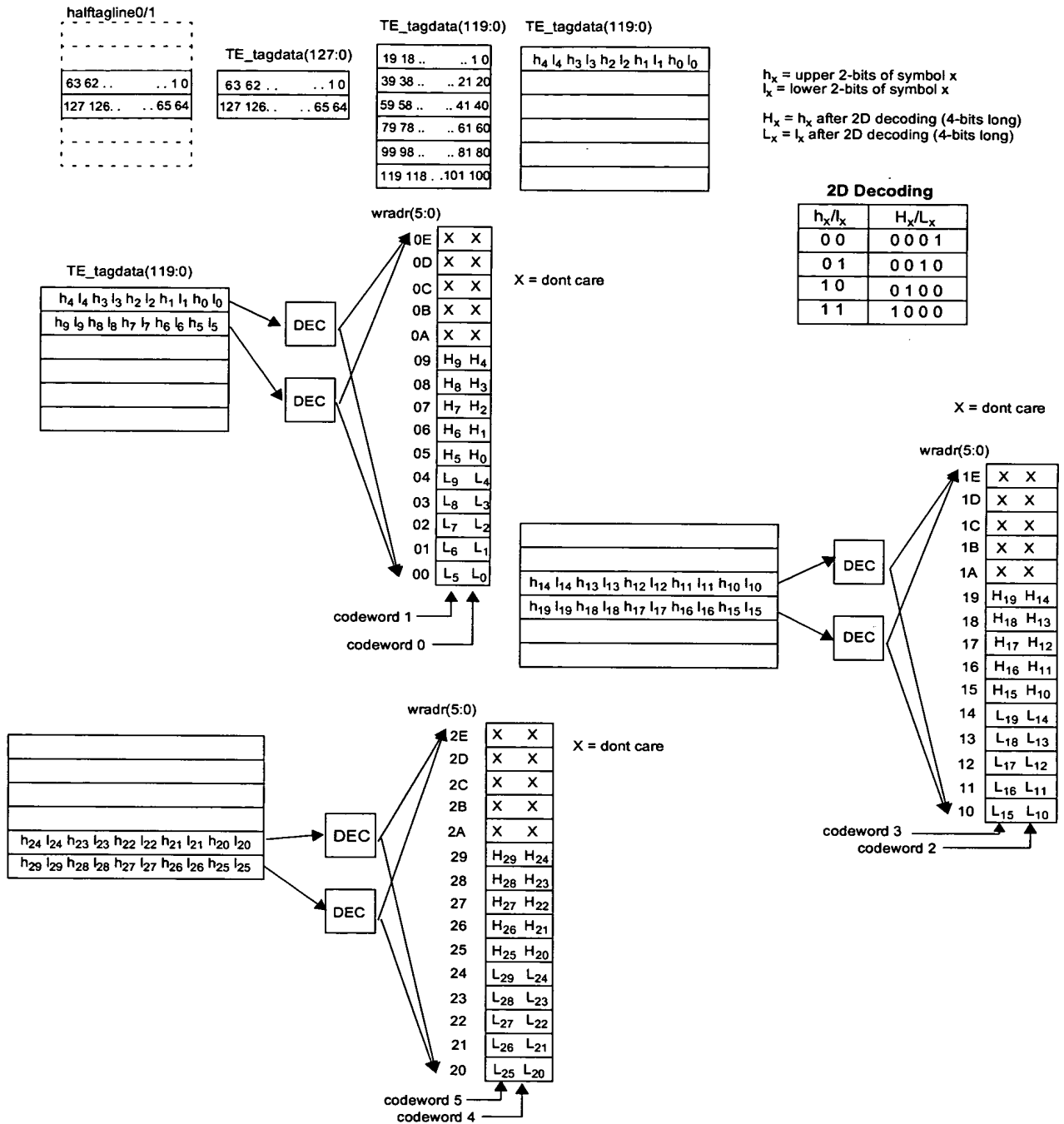


FIG. 208



FIG. 209

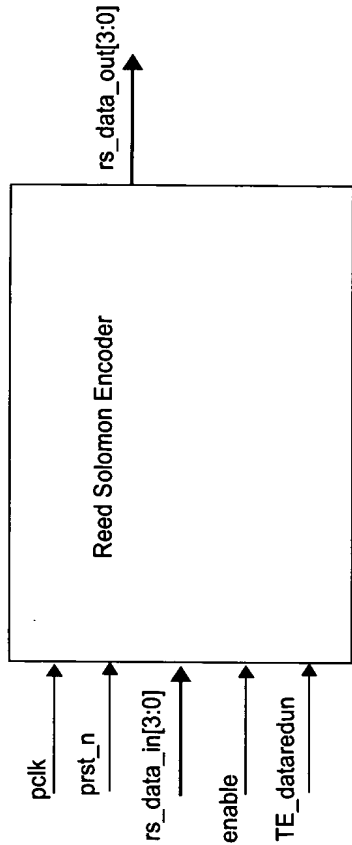


FIG. 210

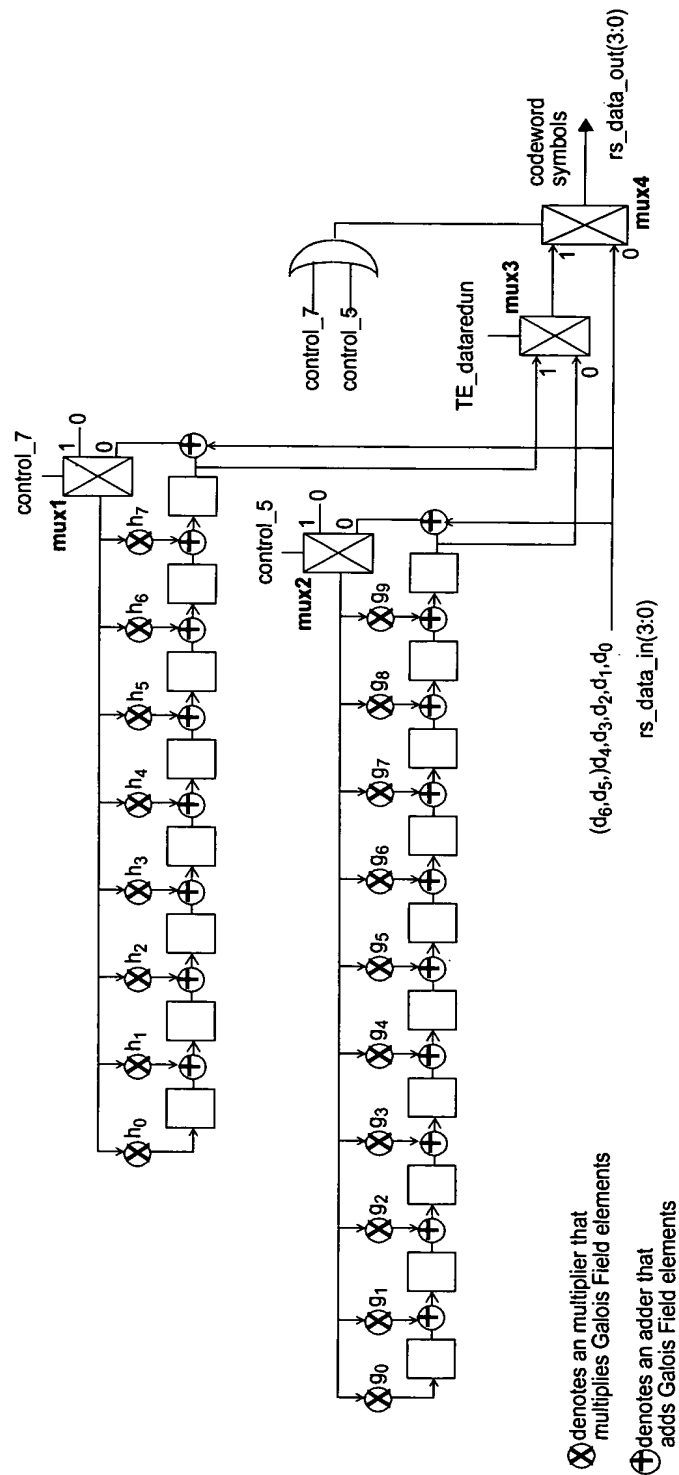


FIG. 211

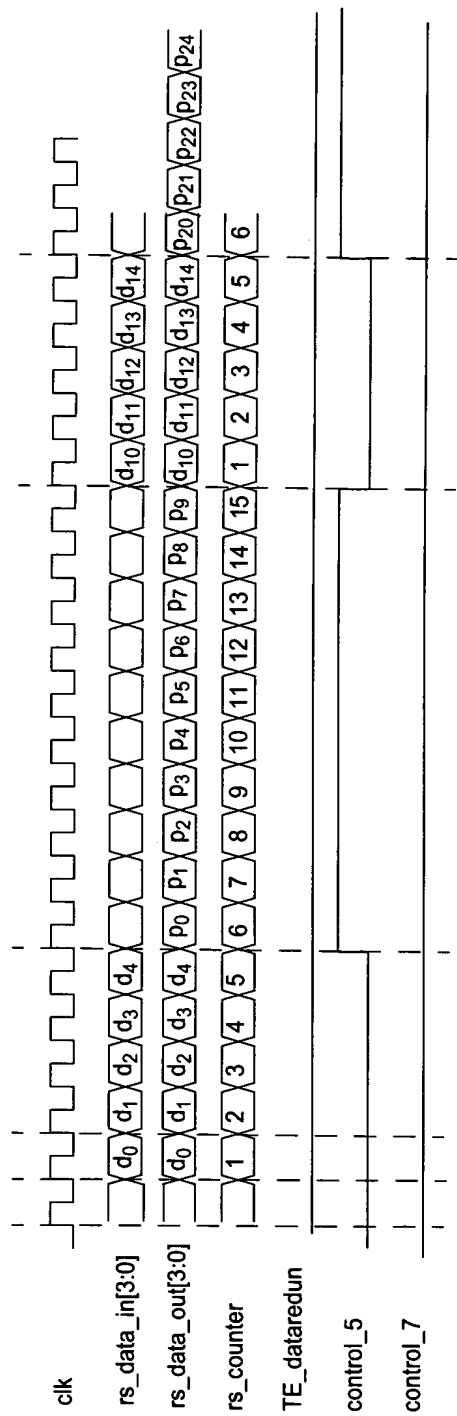


FIG. 212

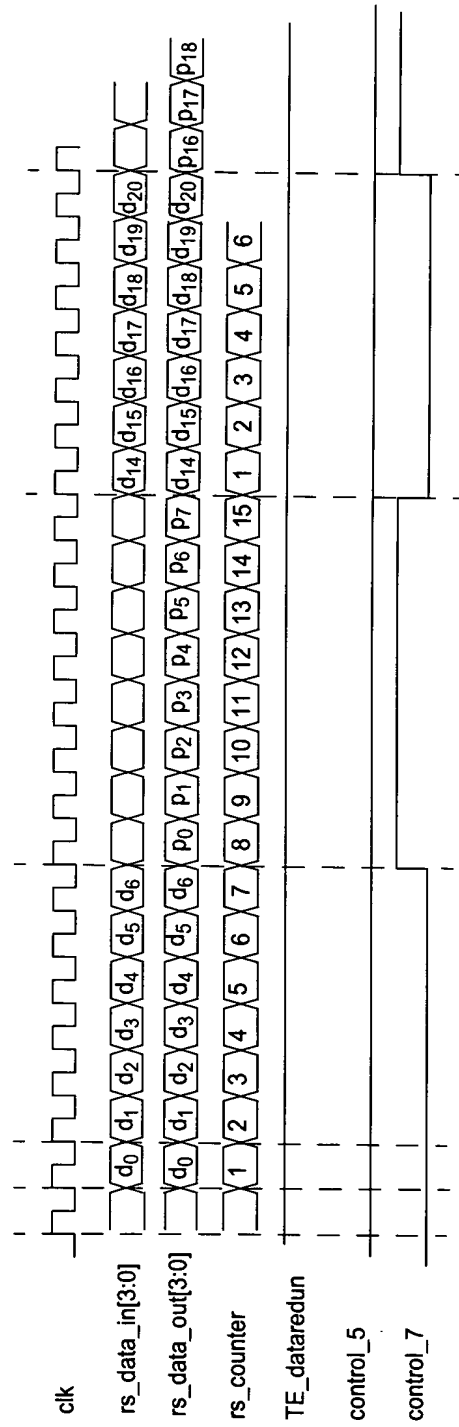


FIG. 213

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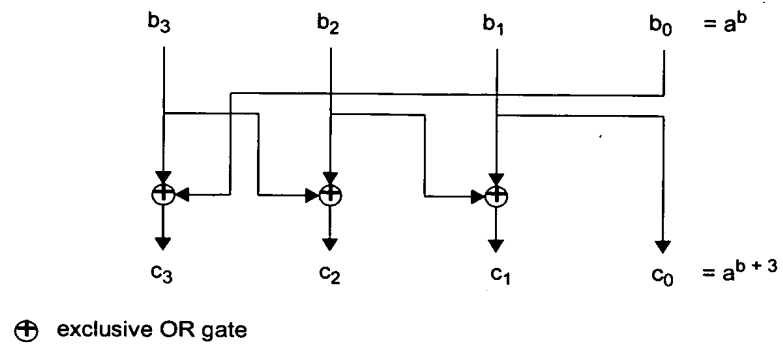


FIG. 214

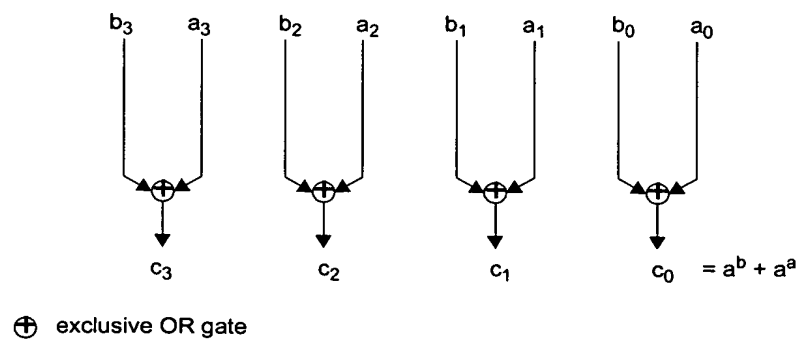


FIG. 215

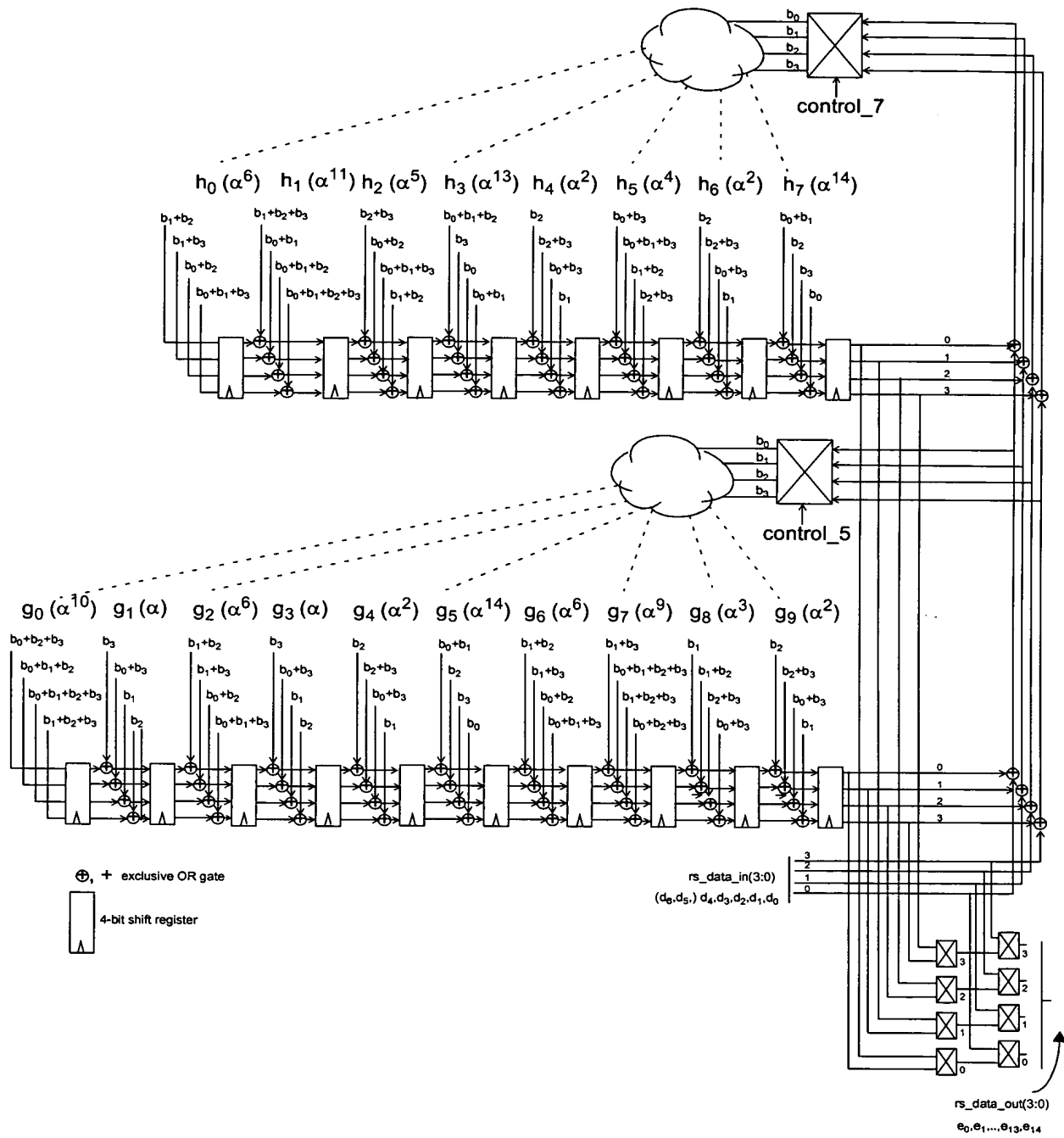


FIG. 216

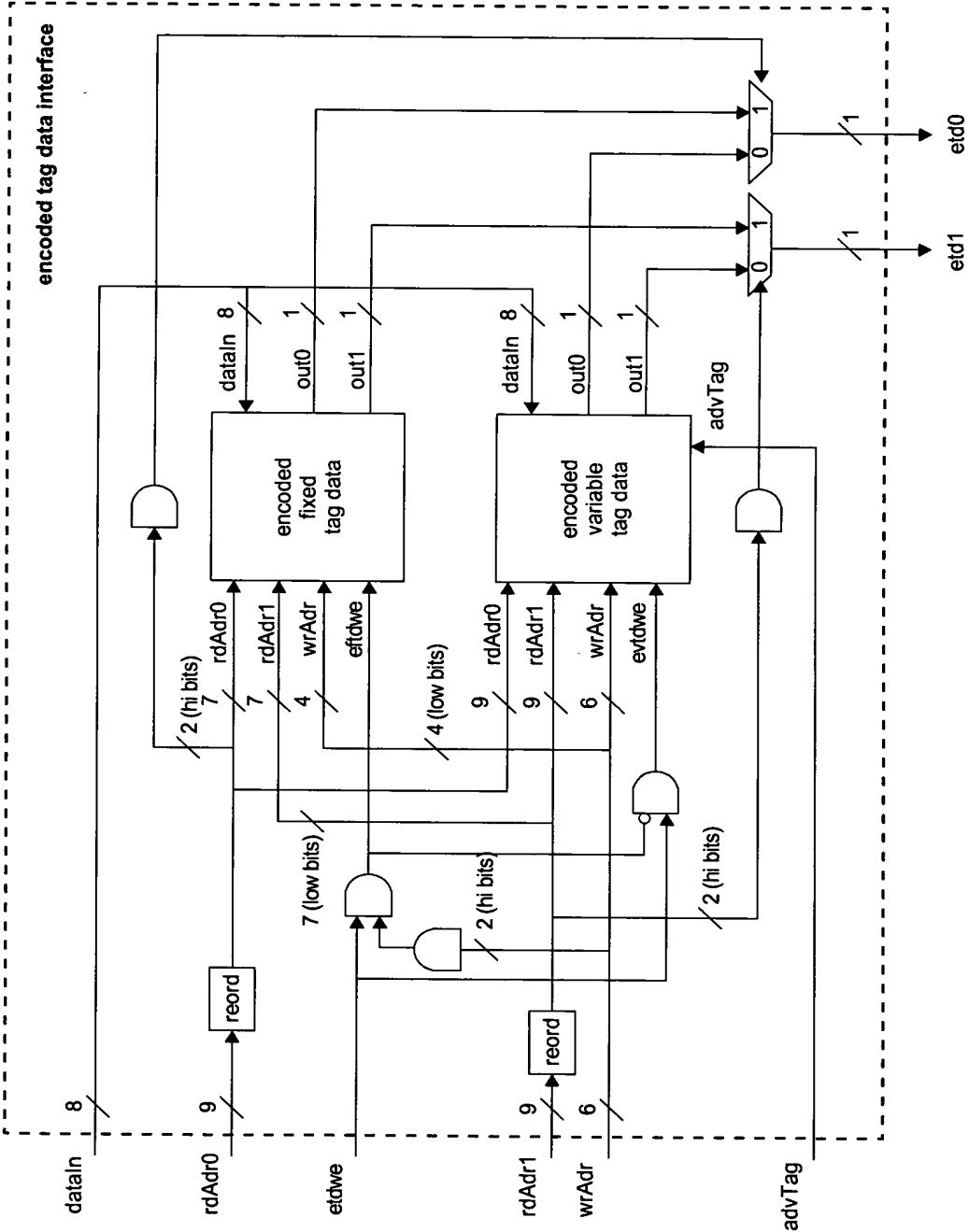


FIG. 217

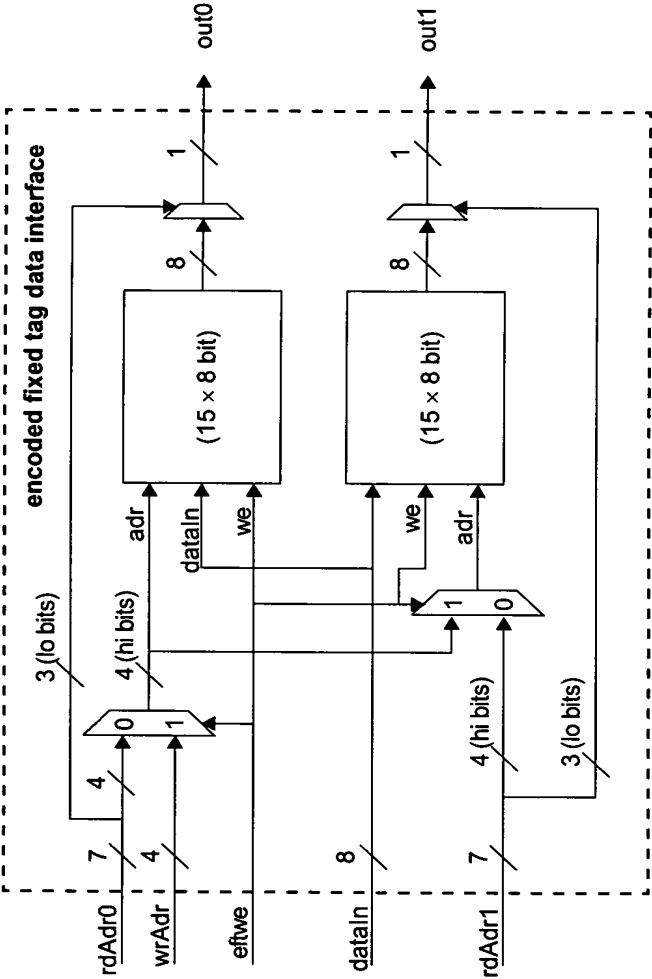


FIG. 218

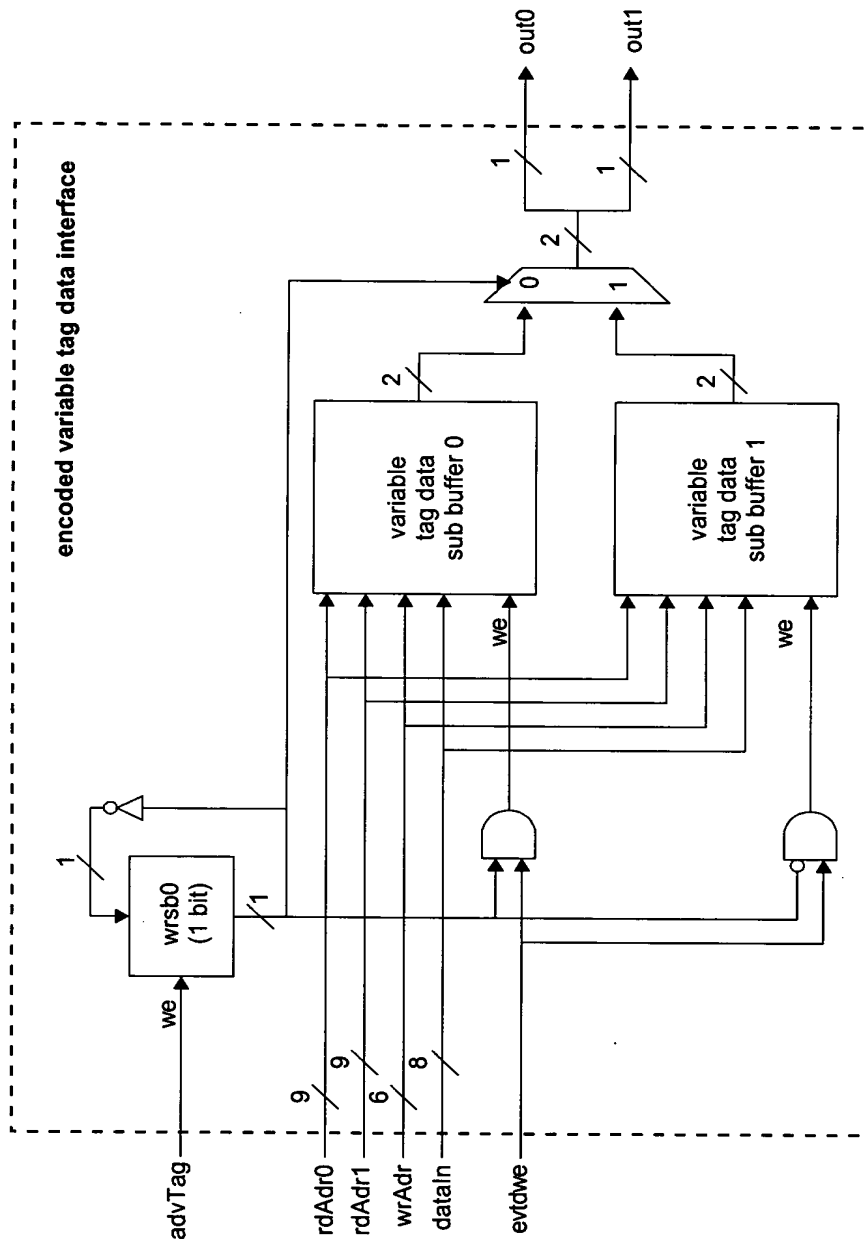


FIG. 219

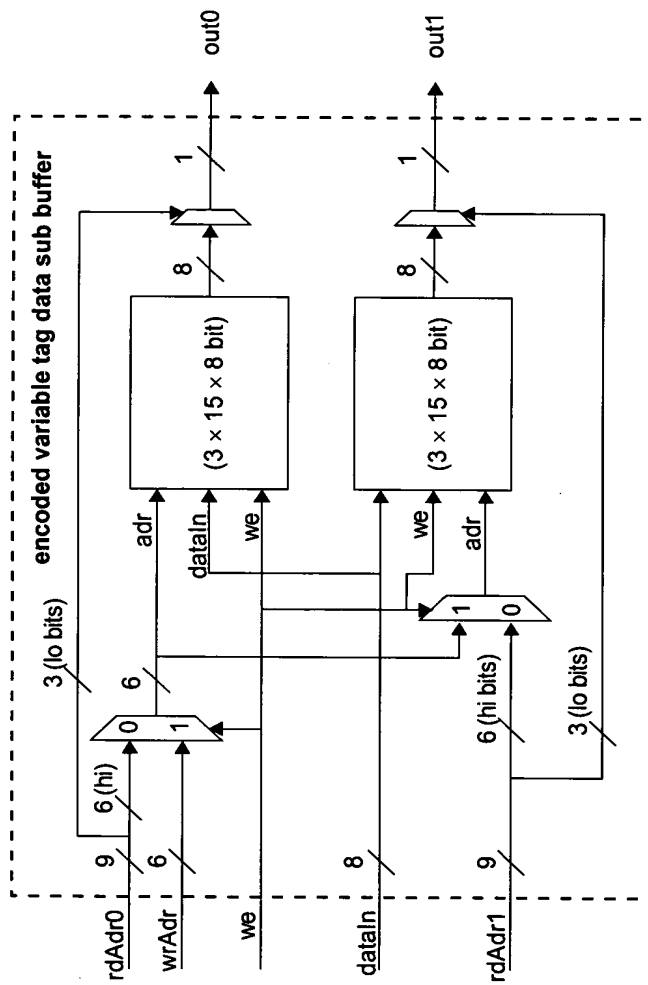


FIG. 220

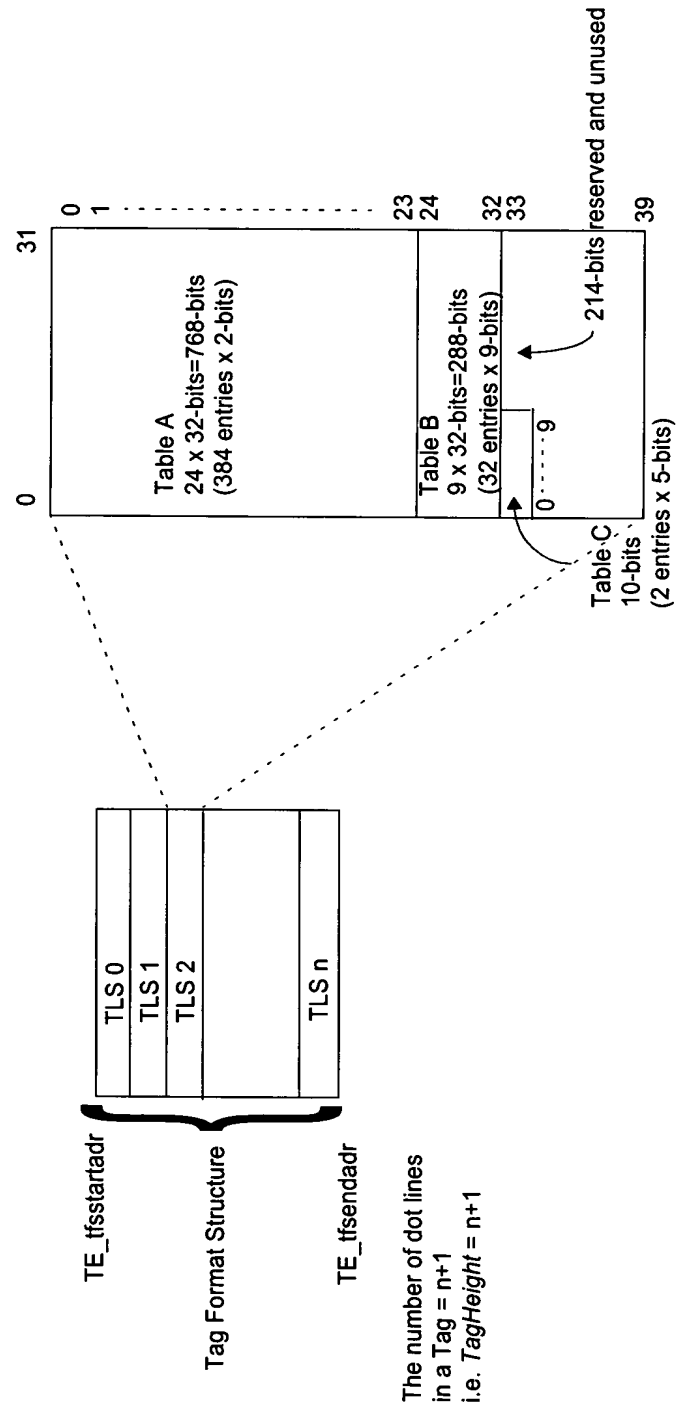


FIG. 221

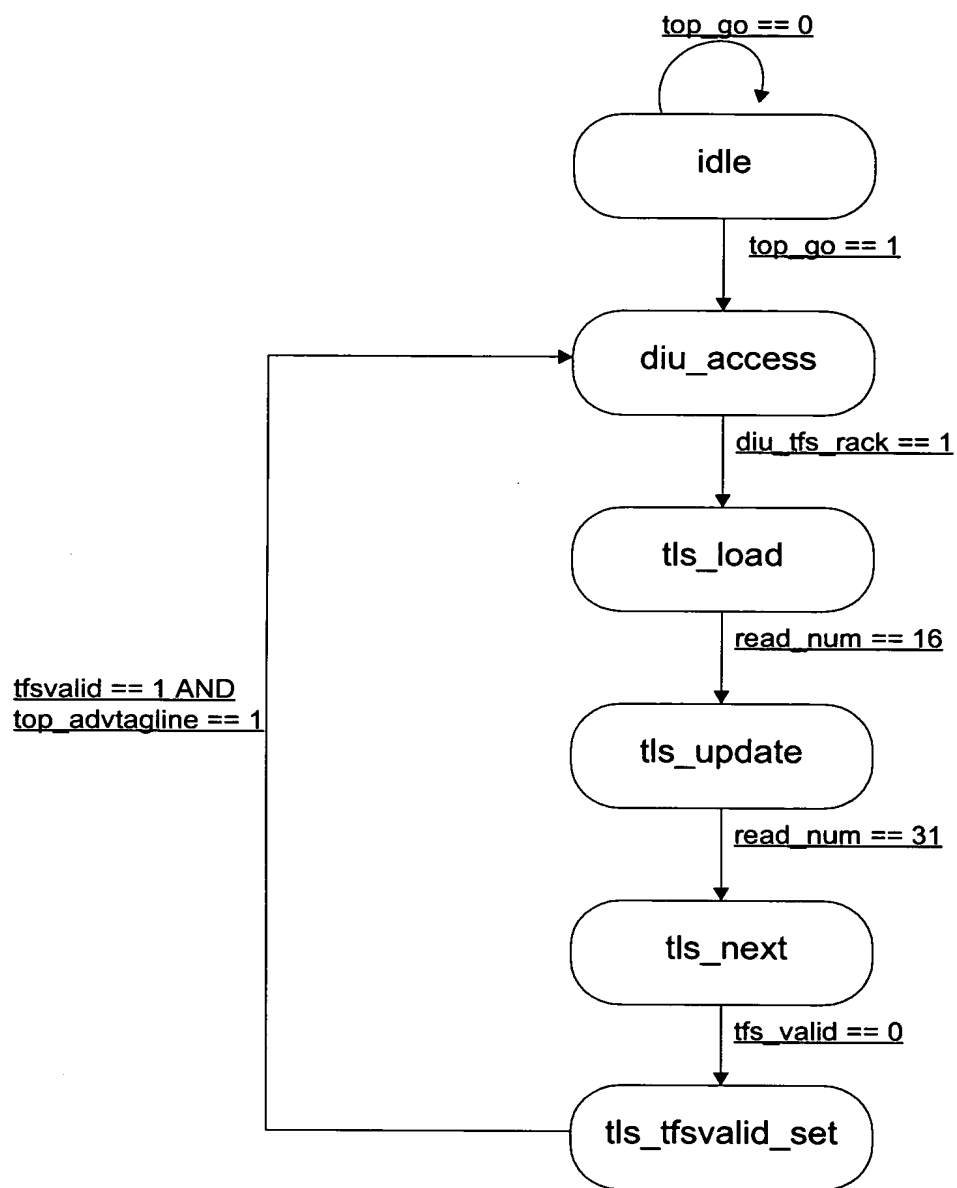


FIG. 222

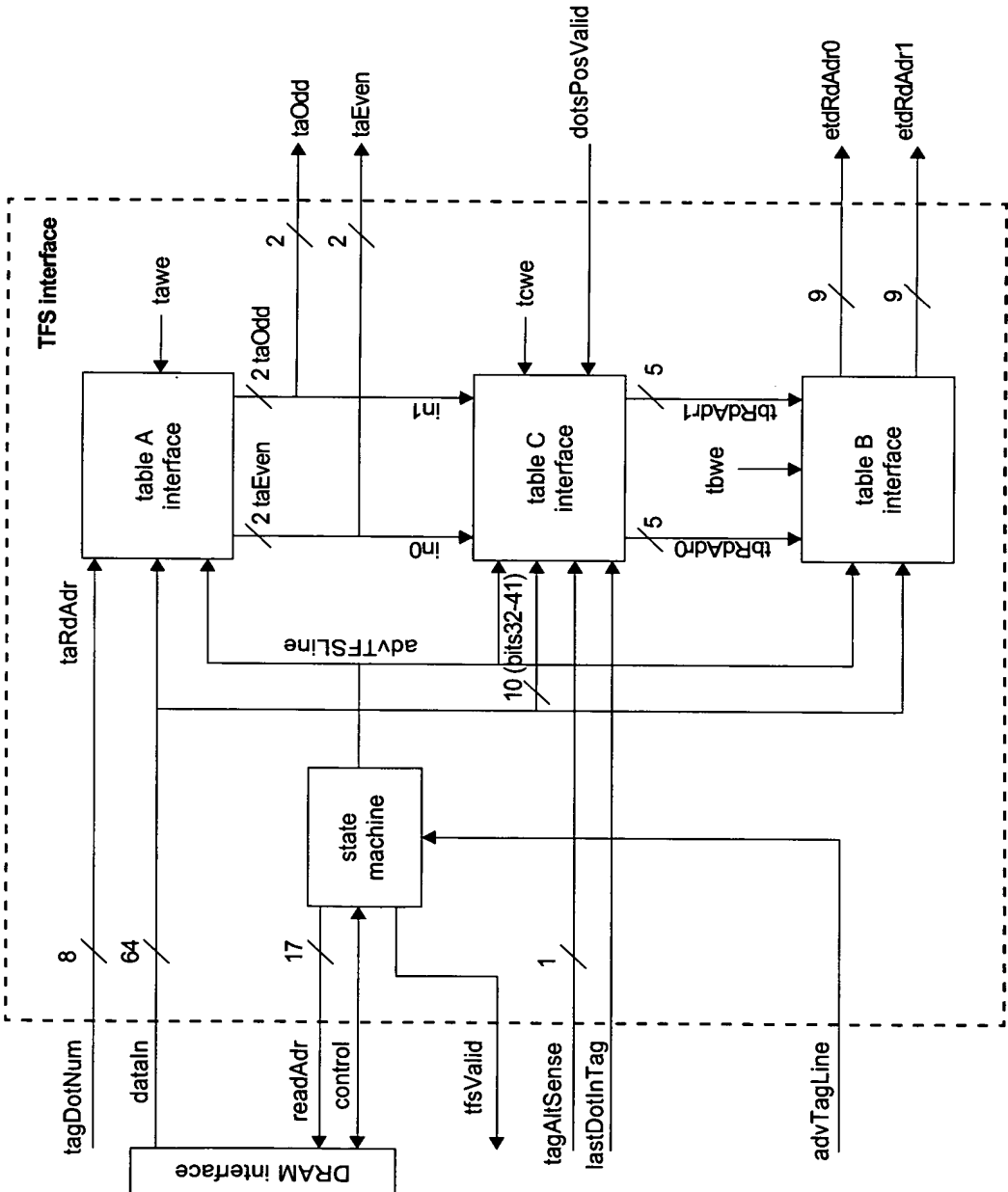


FIG. 223

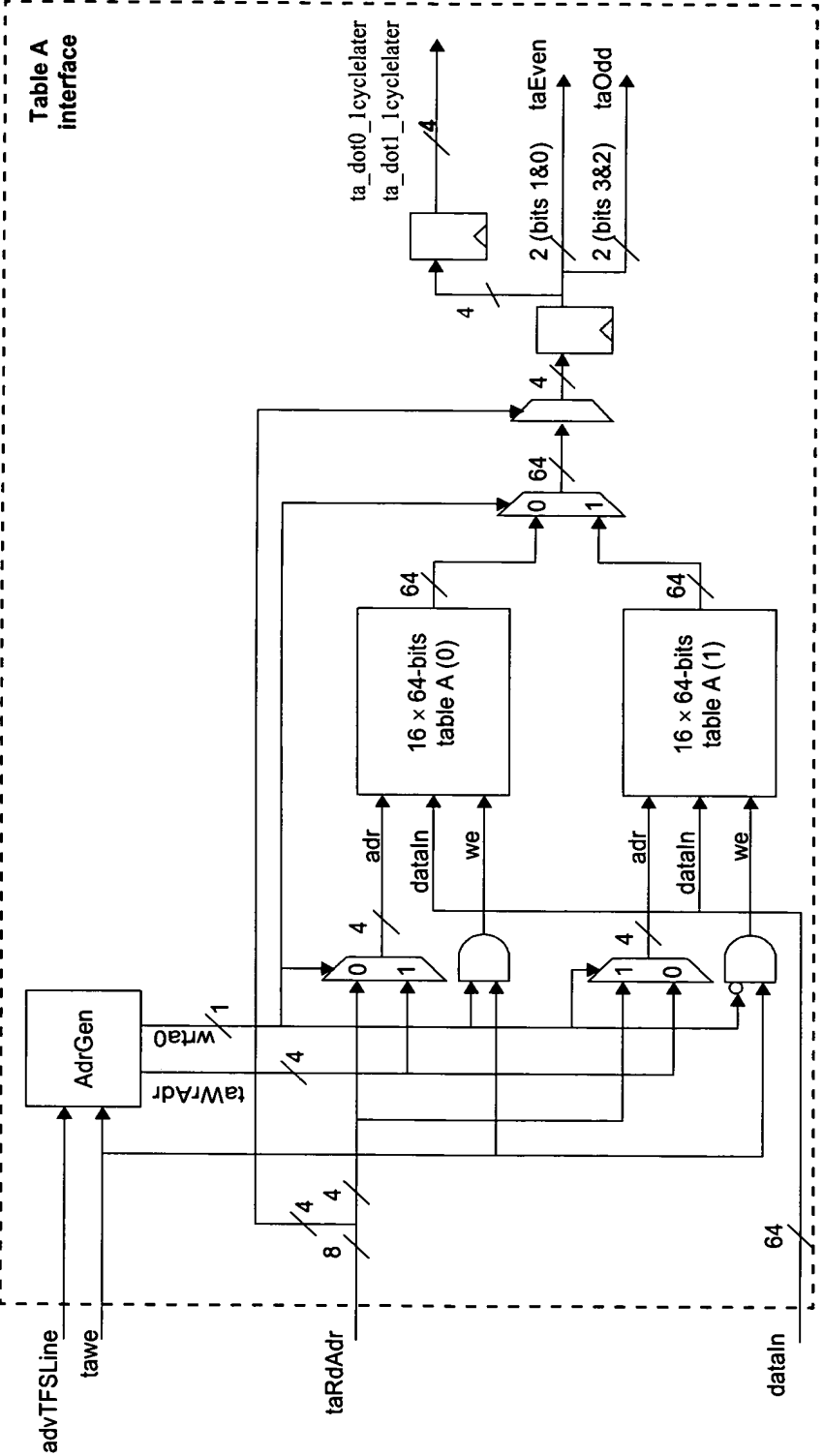


FIG. 224

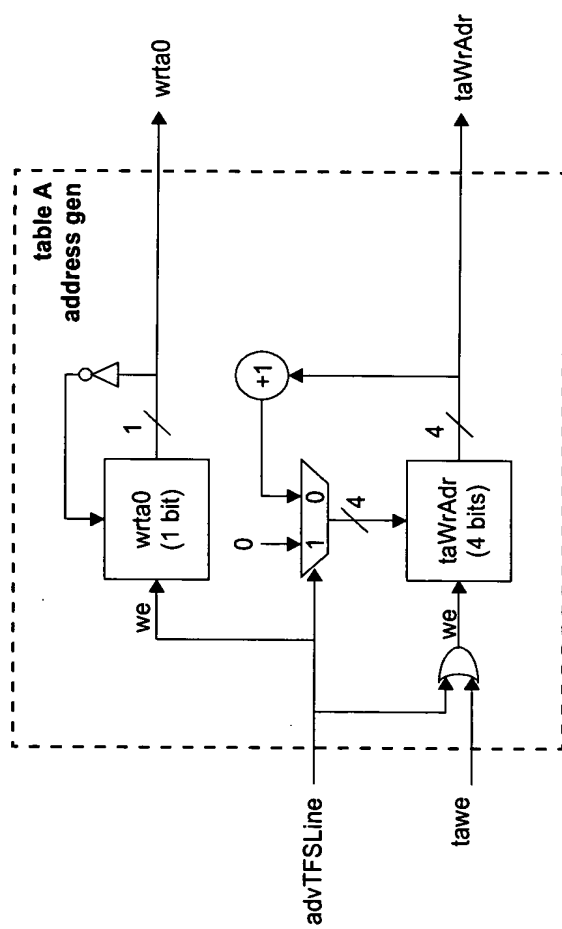


FIG. 225

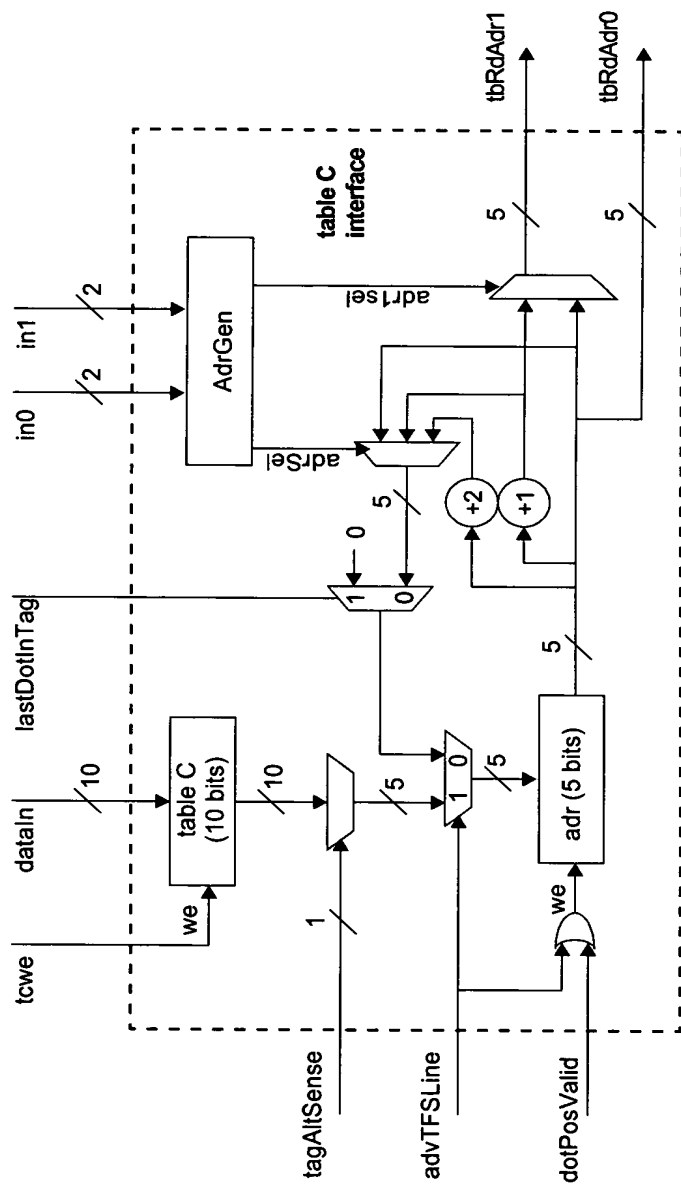
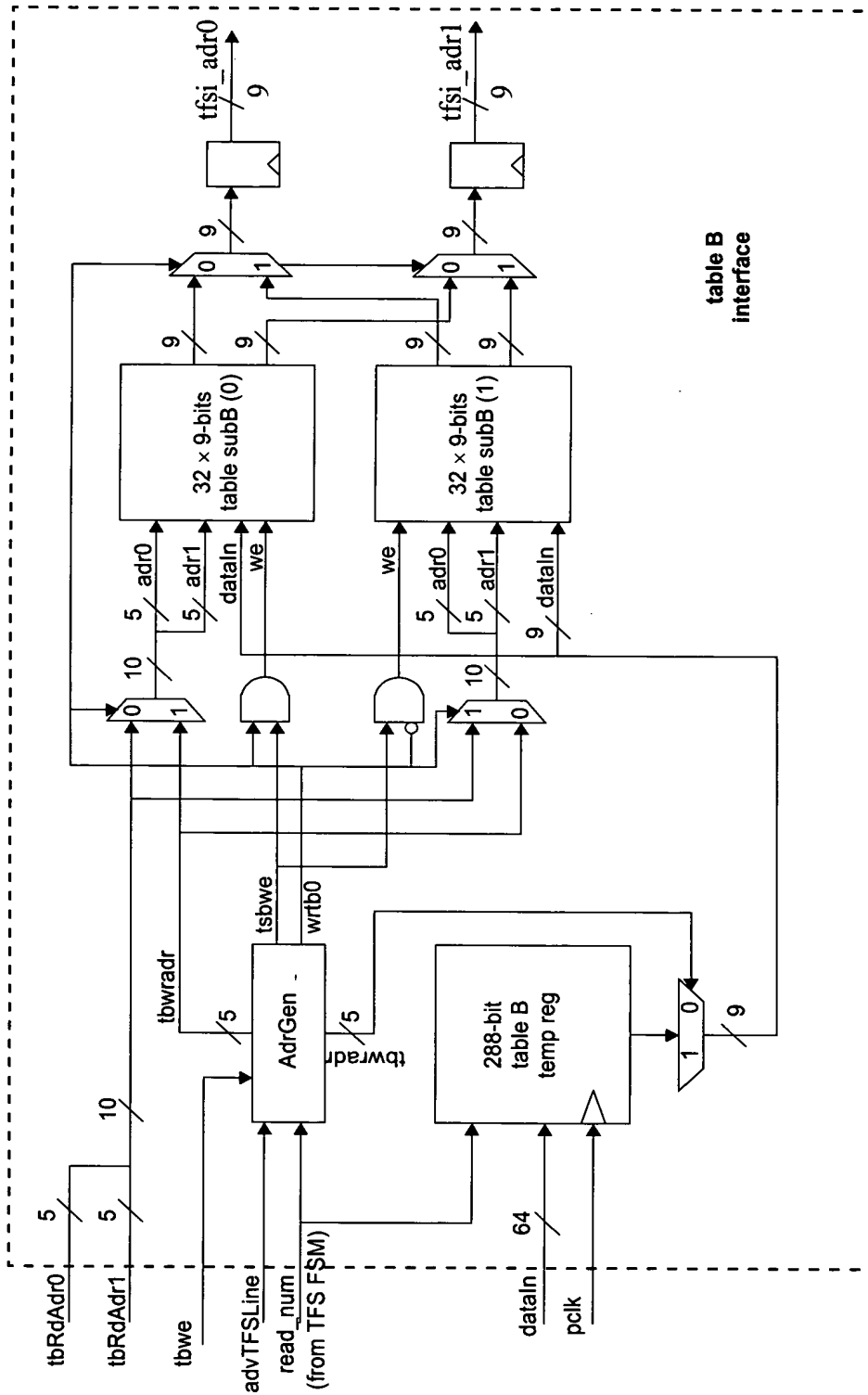


FIG. 226



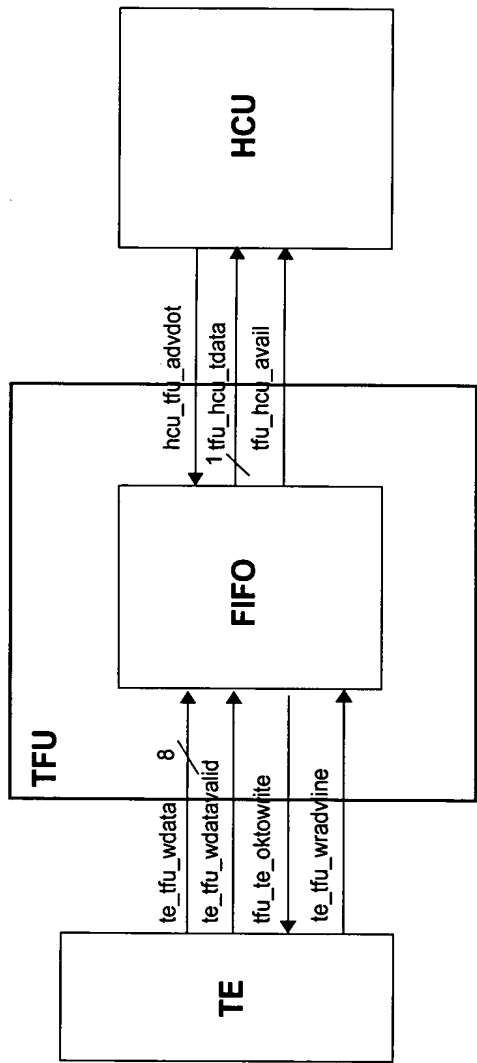


FIG. 228

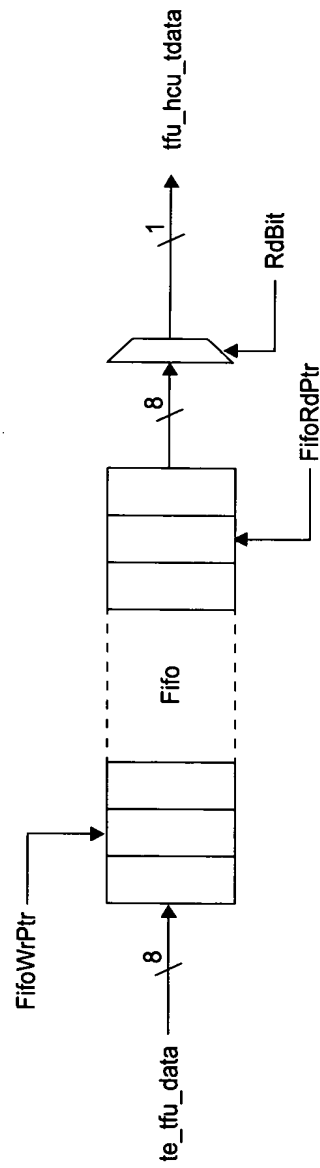


FIG. 229

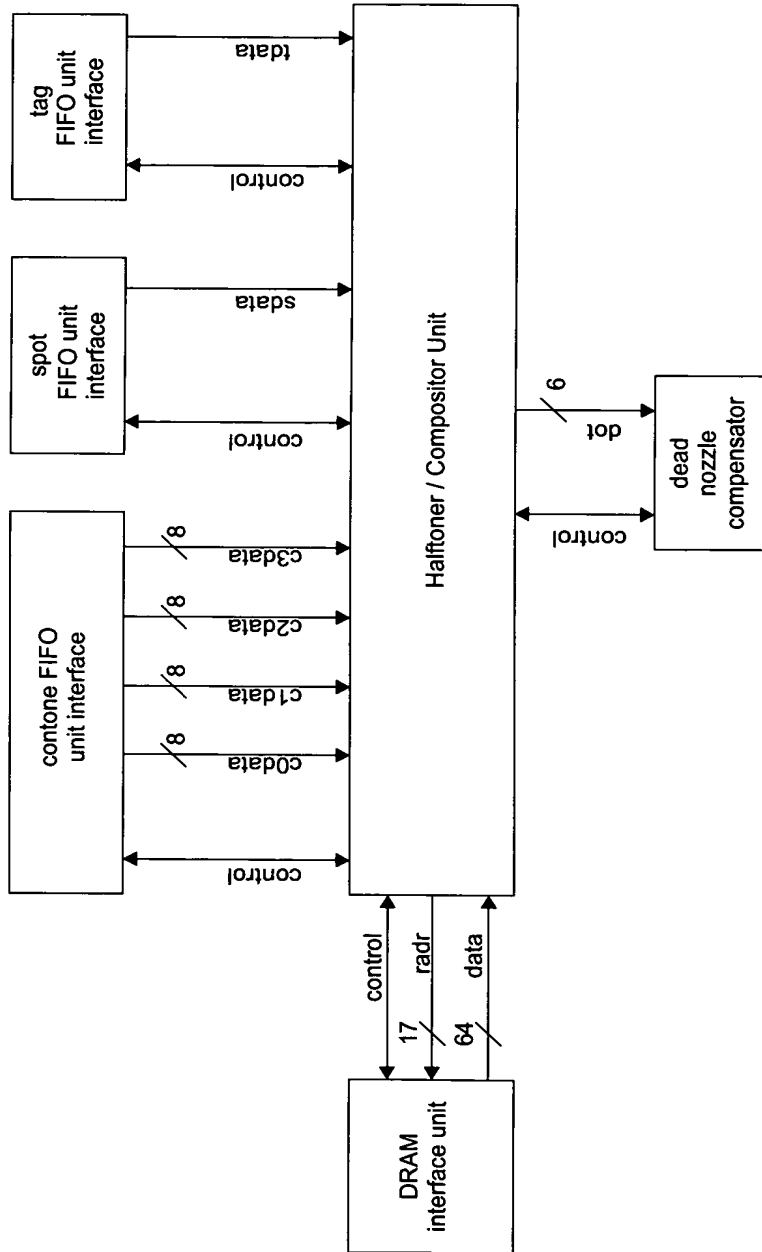


FIG. 230

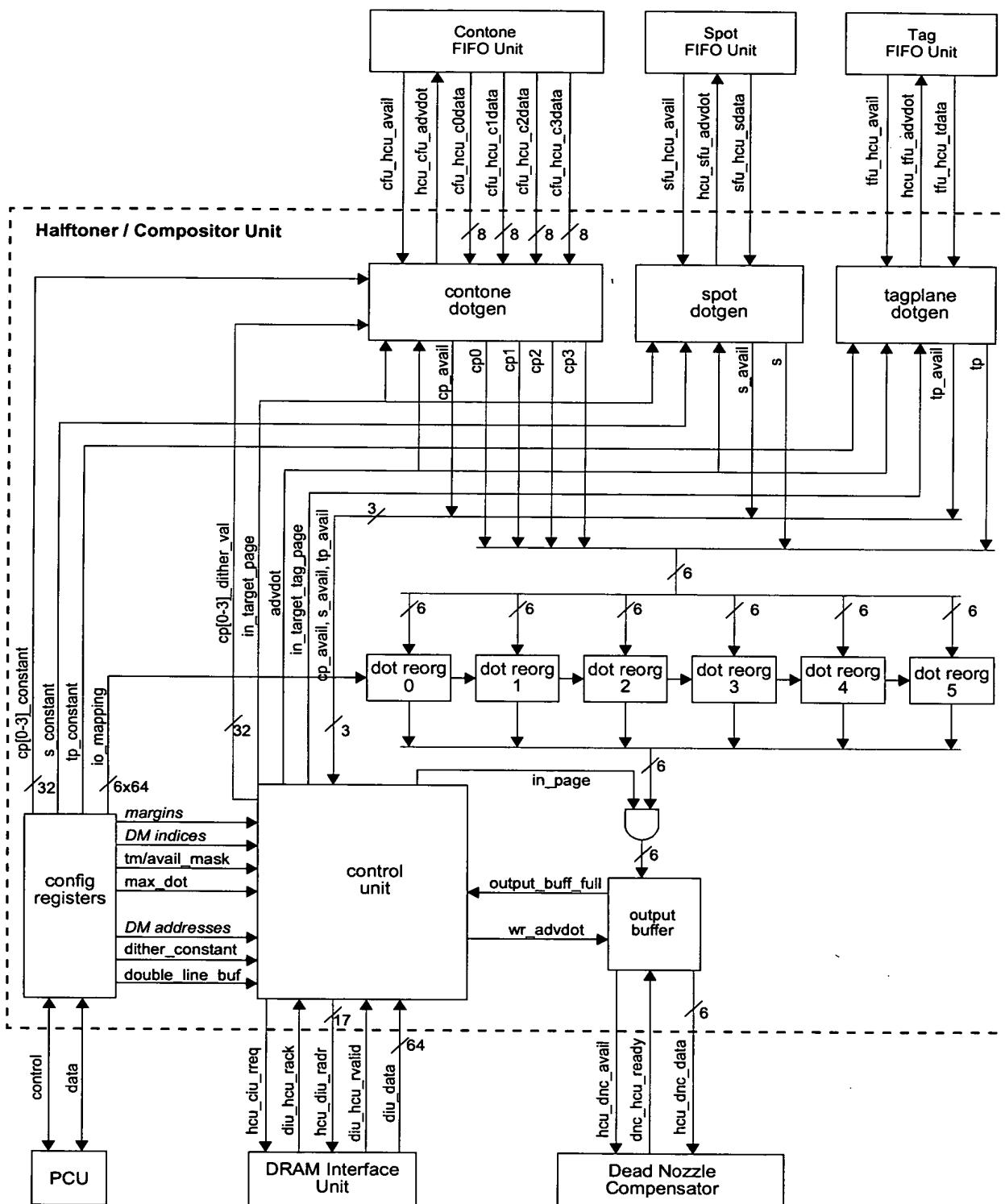


FIG. 231

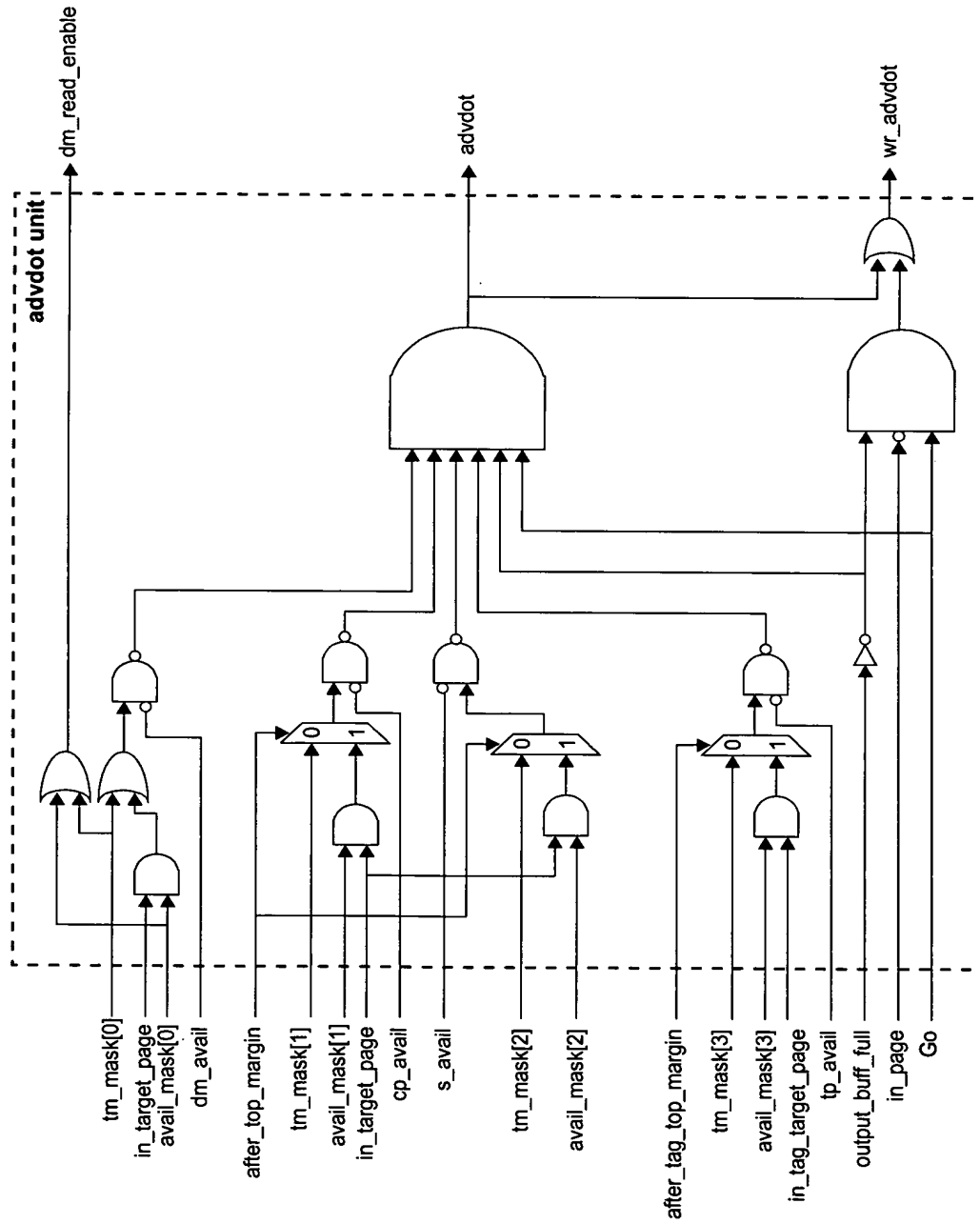


FIG. 233

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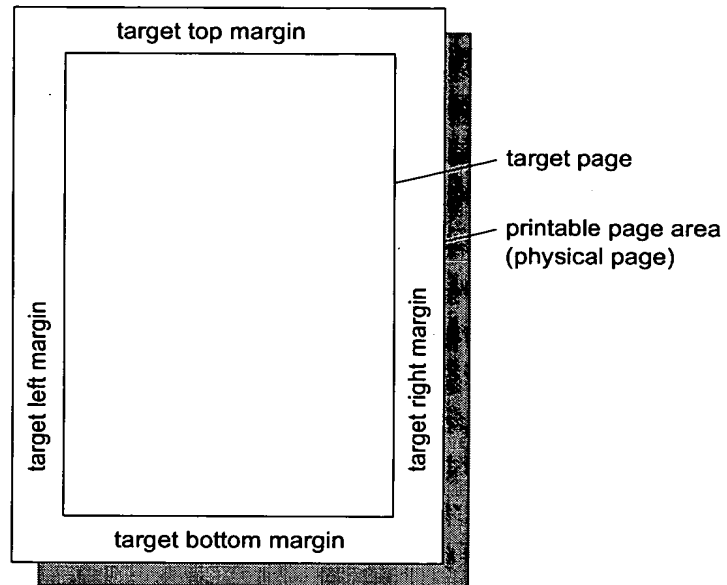


FIG. 234

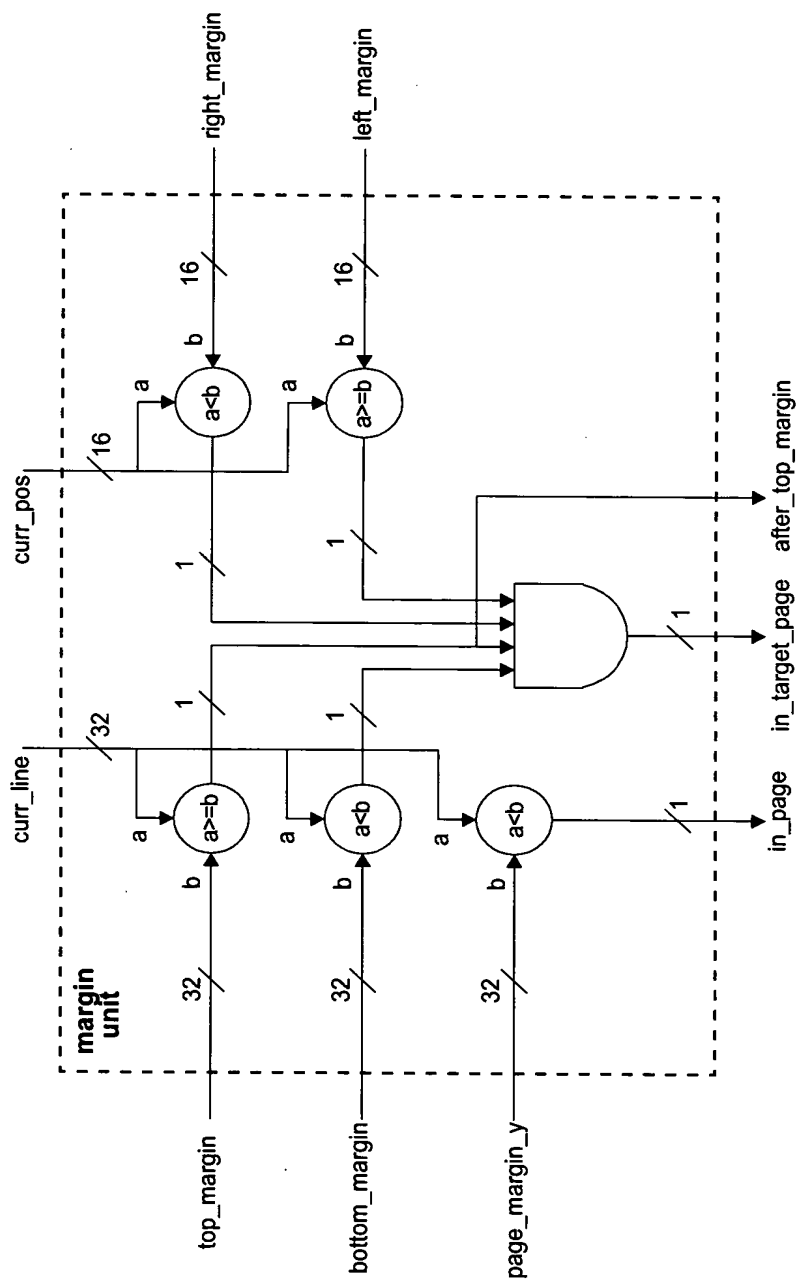


FIG. 235

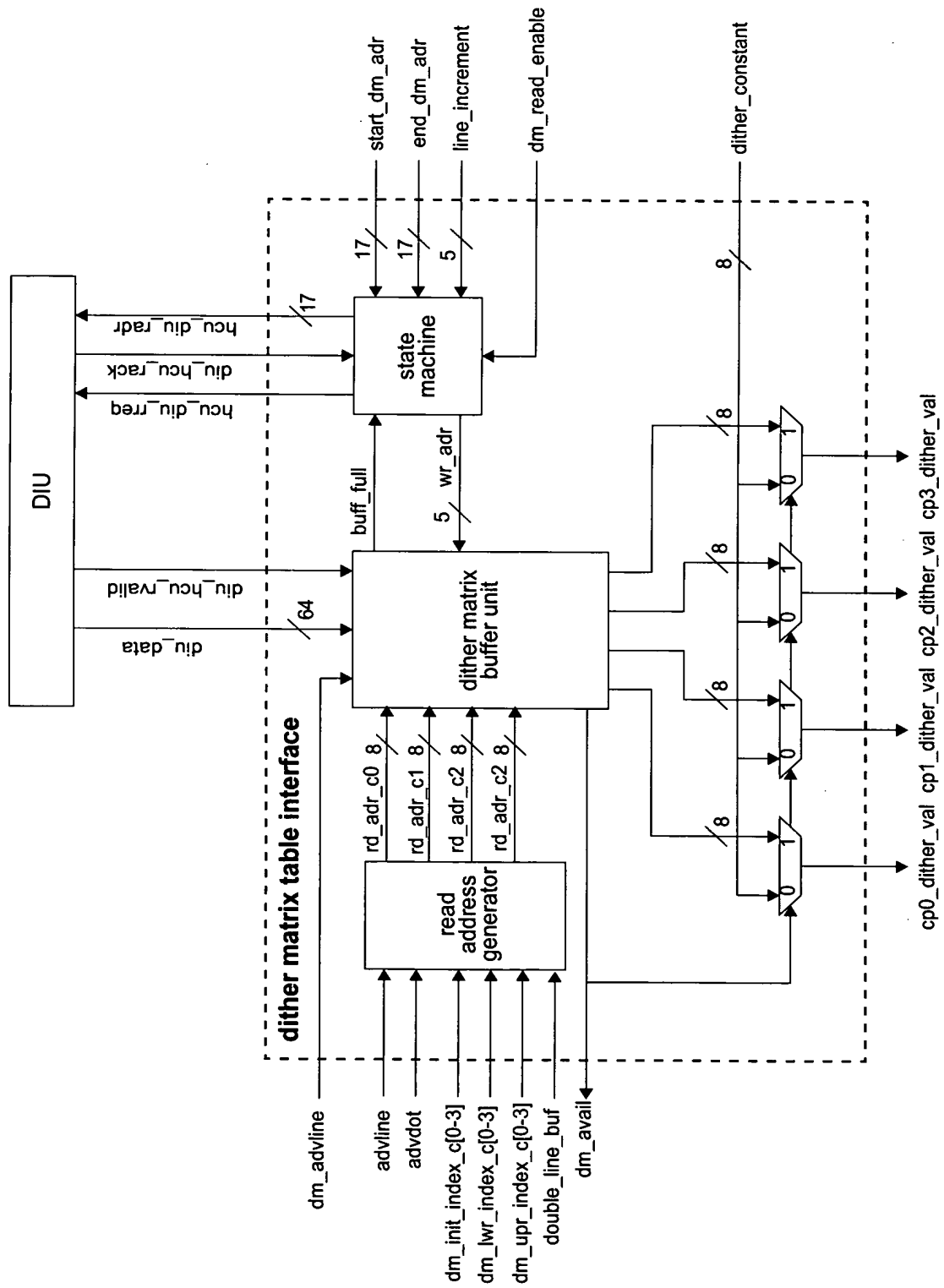


FIG. 236

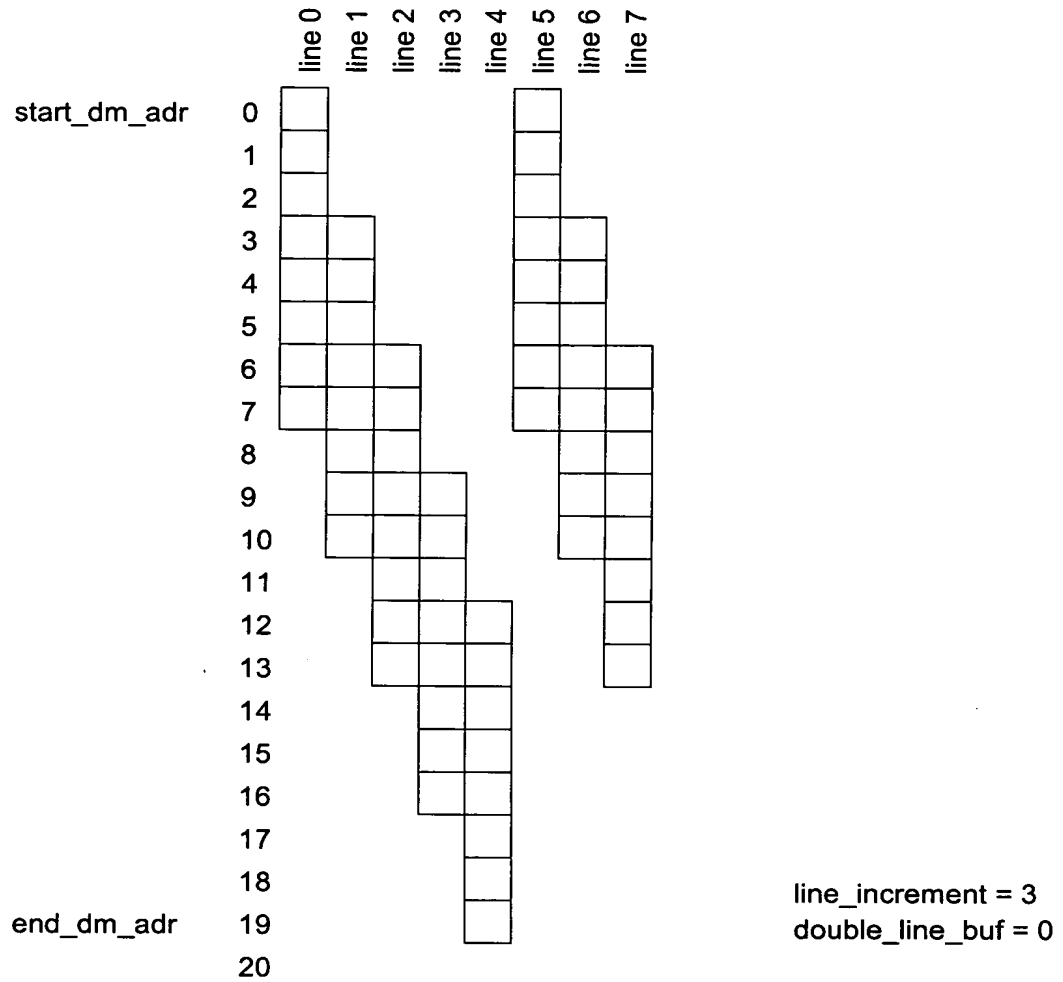


FIG. 237

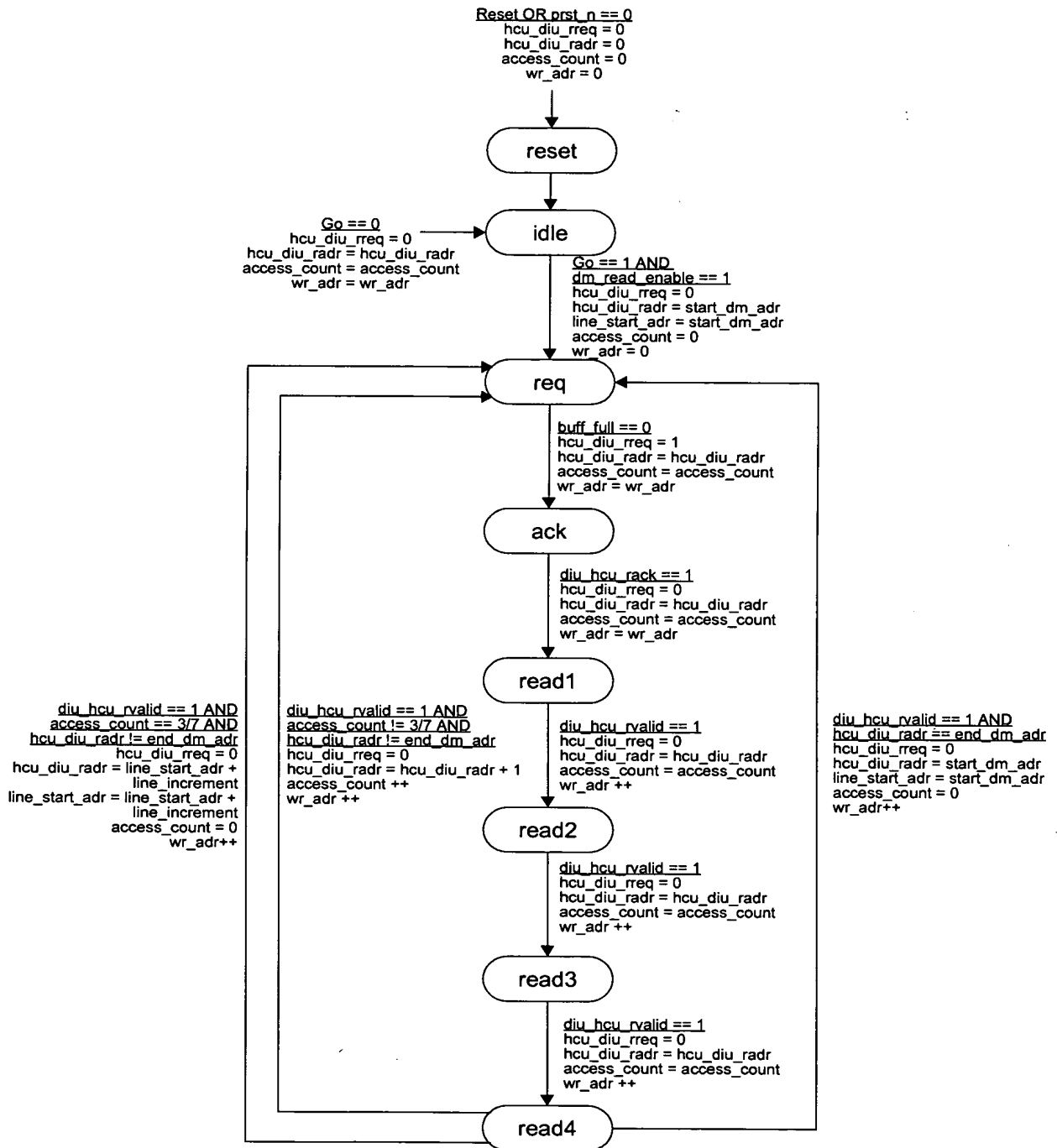


FIG. 238

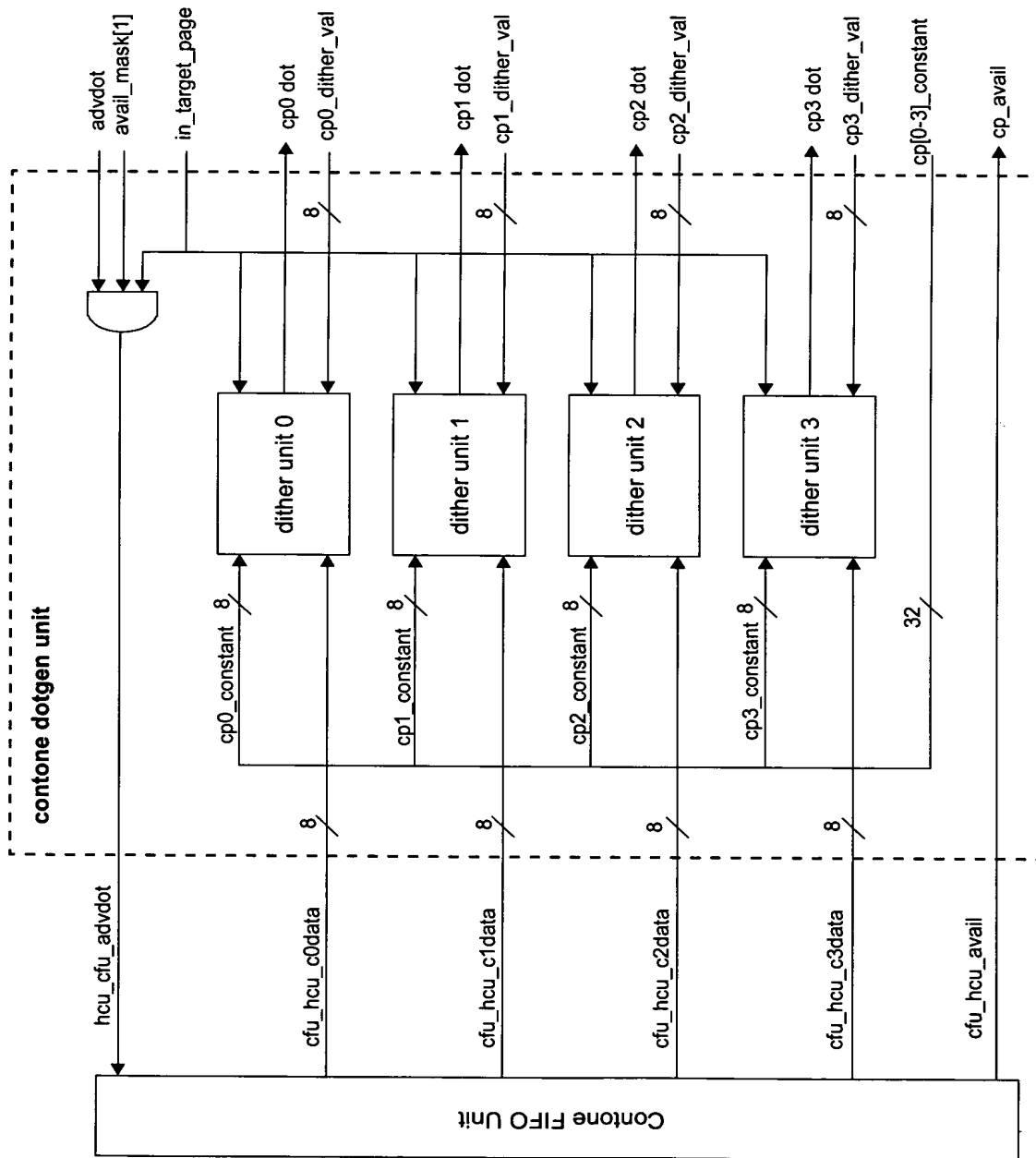


FIG. 239

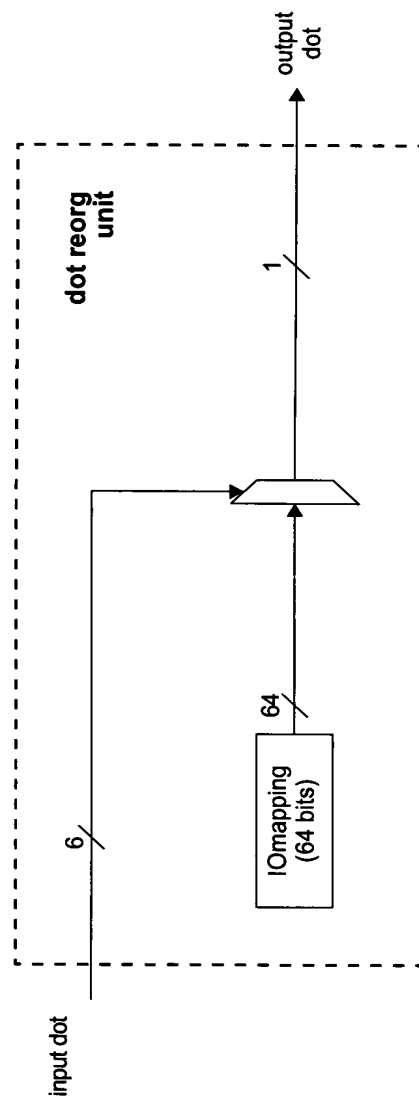


FIG. 240

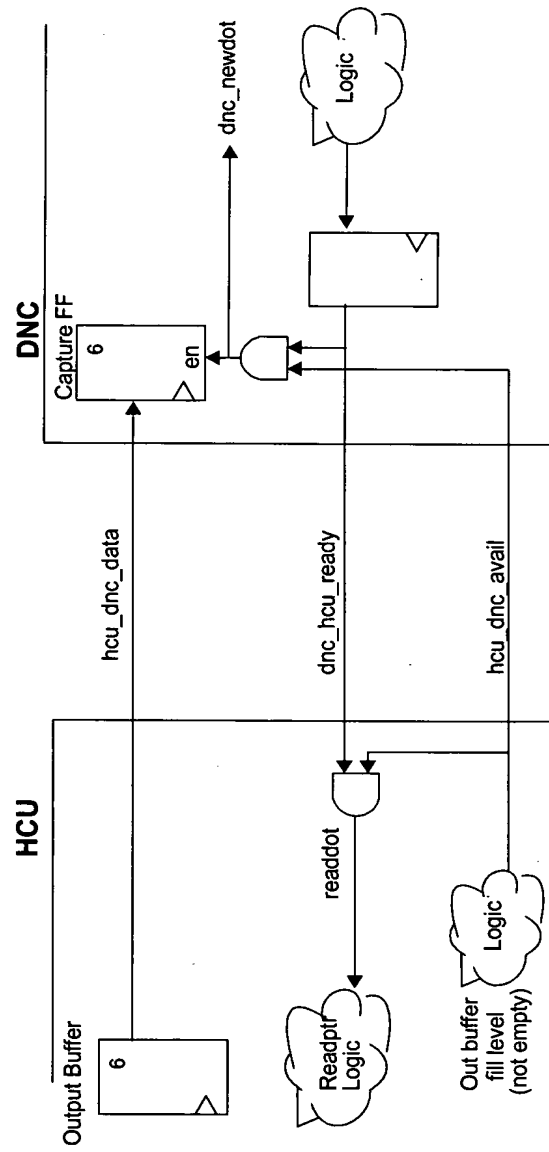
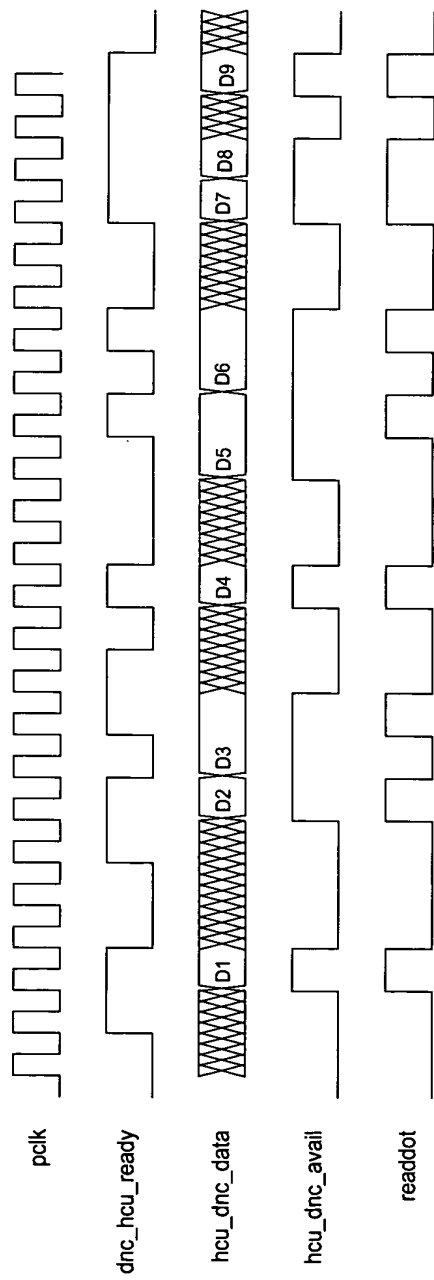


FIG. 241

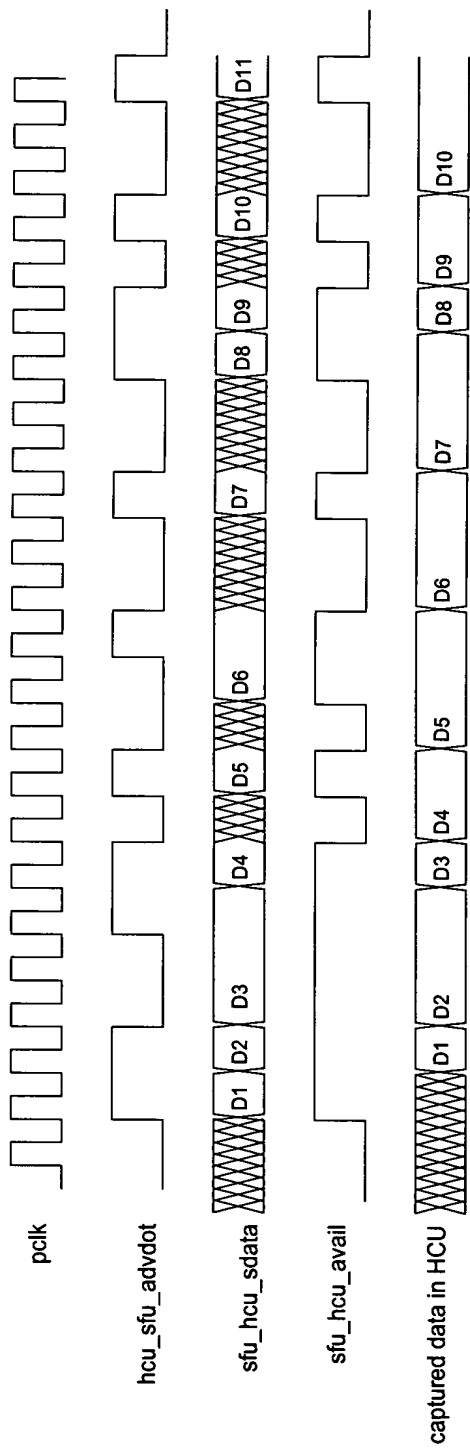


FIG. 242

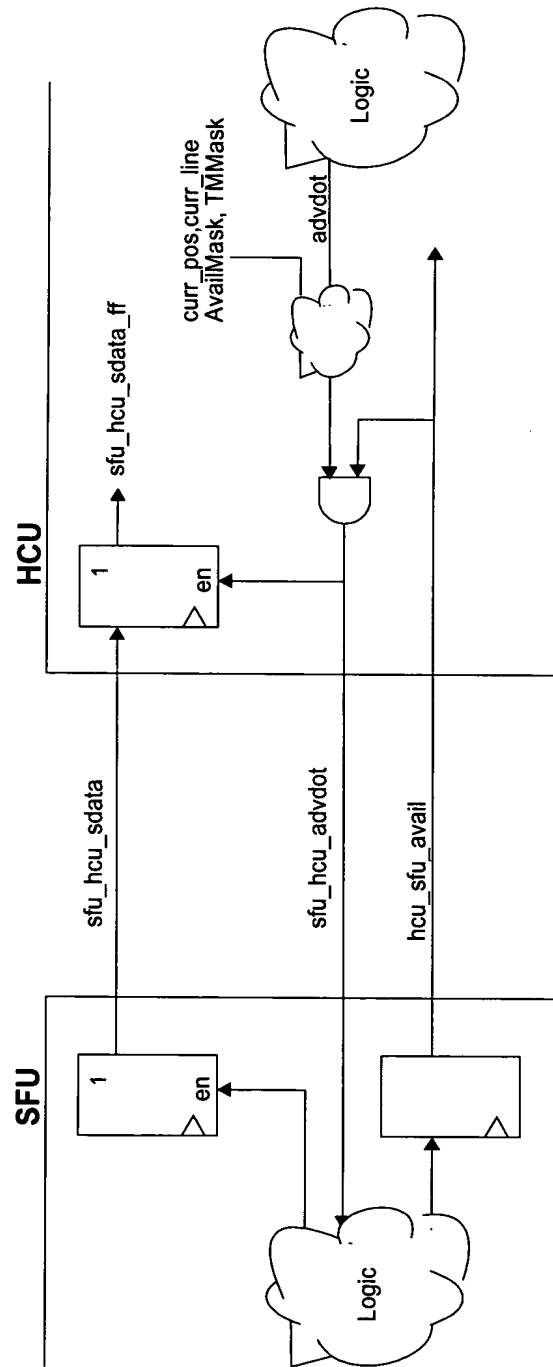


FIG. 243

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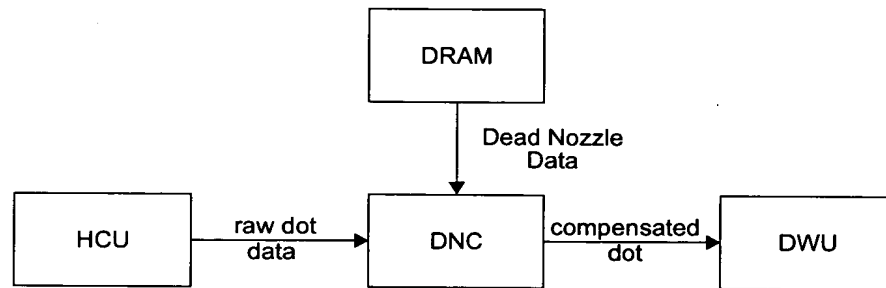


FIG. 244

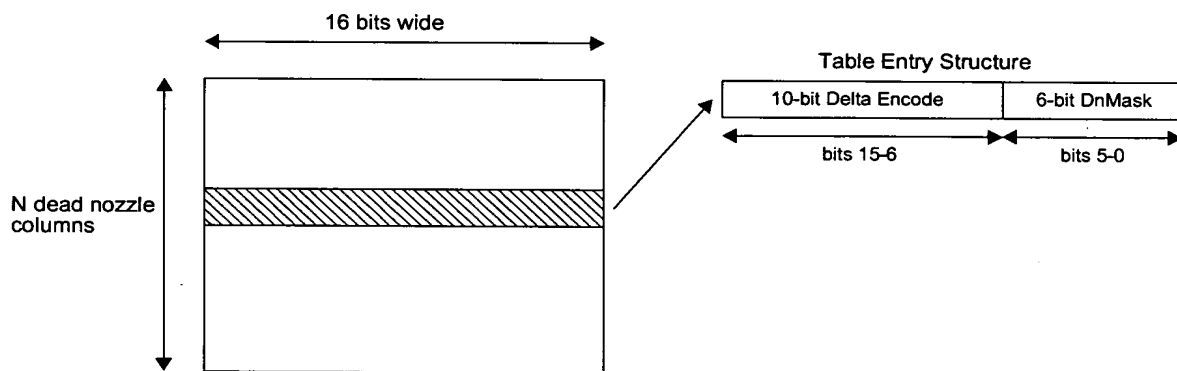


FIG. 245

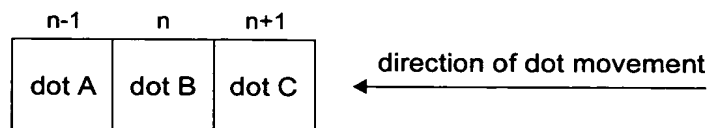


FIG. 246

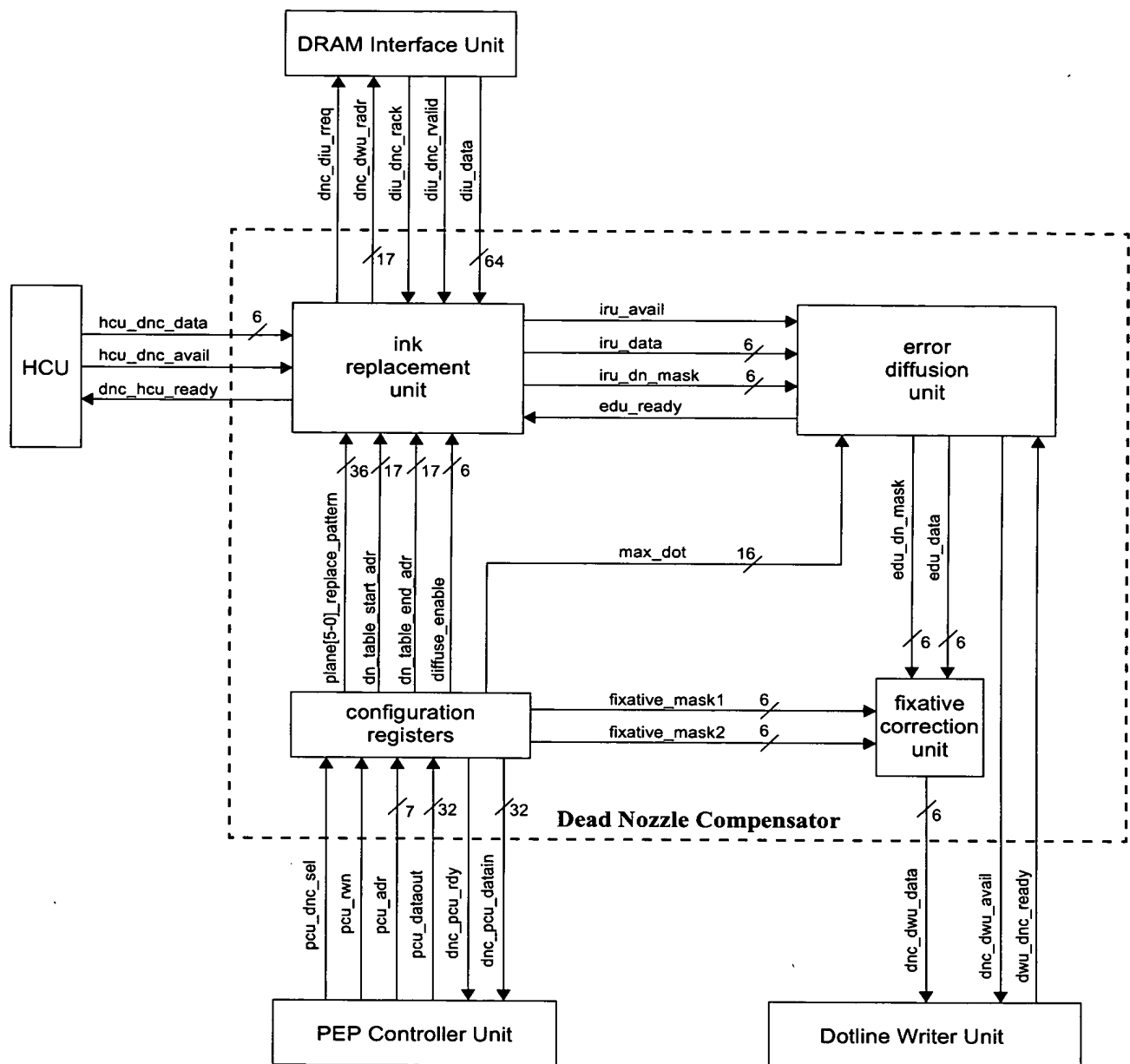


FIG. 247

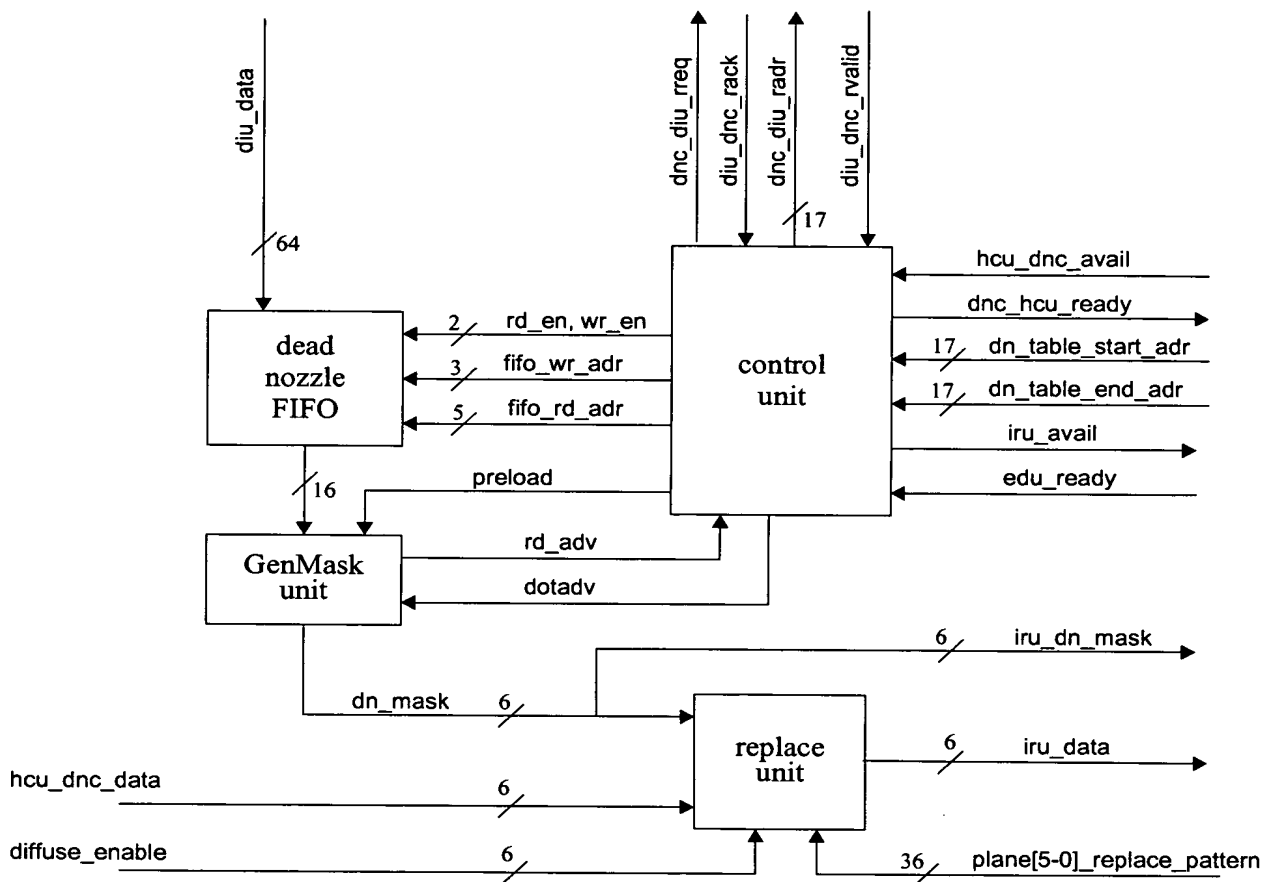


FIG. 248

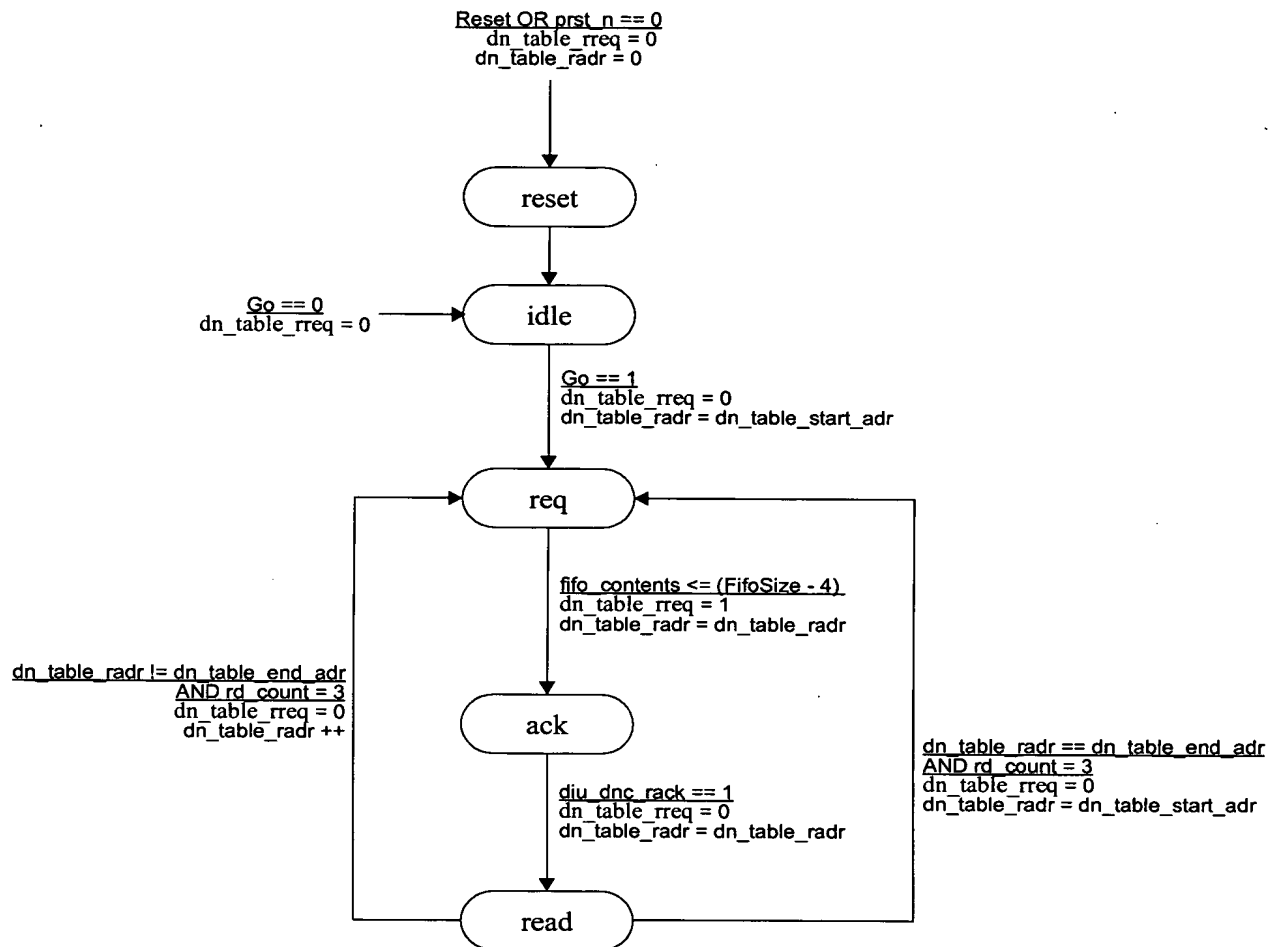


FIG. 249

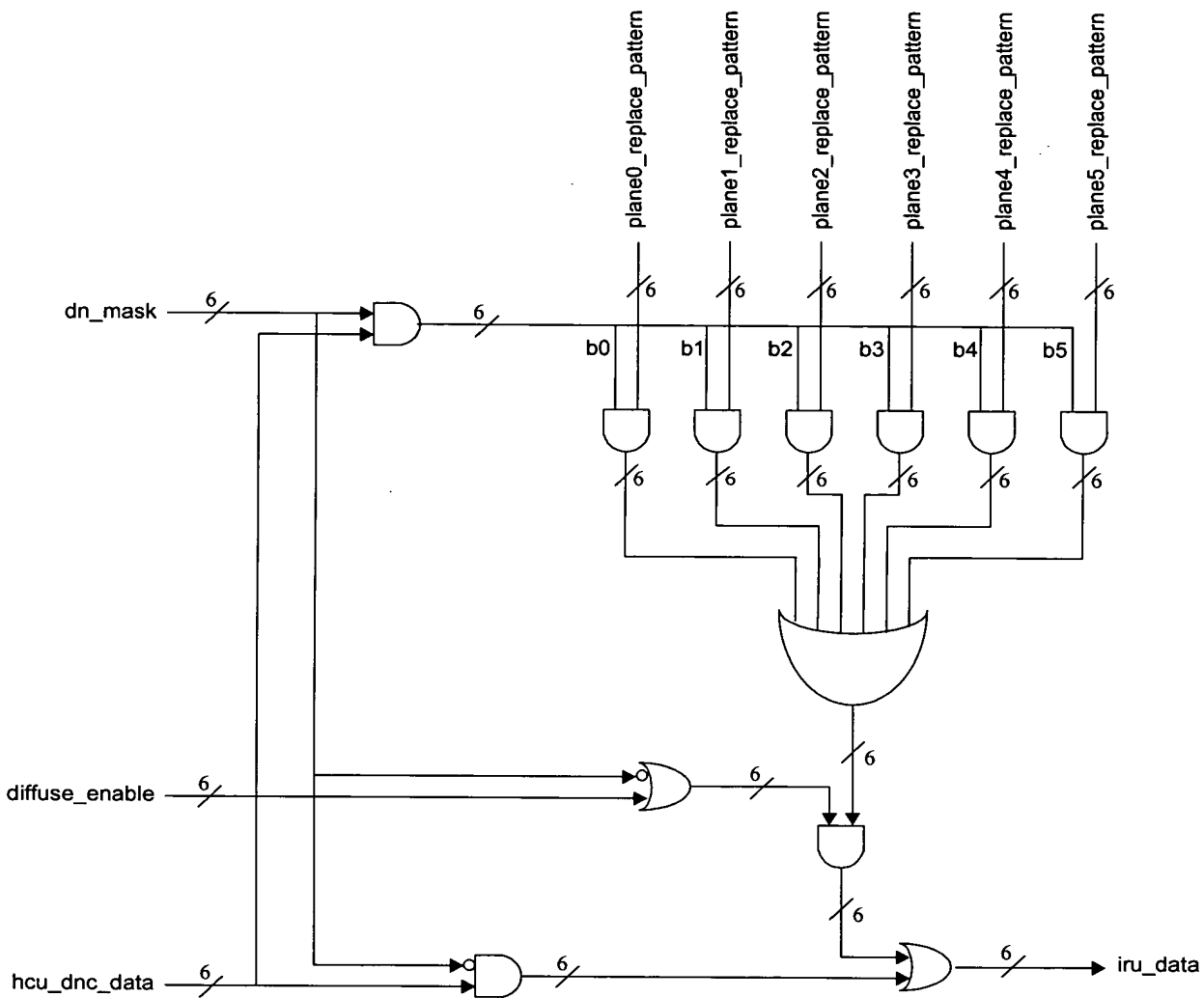


FIG. 250

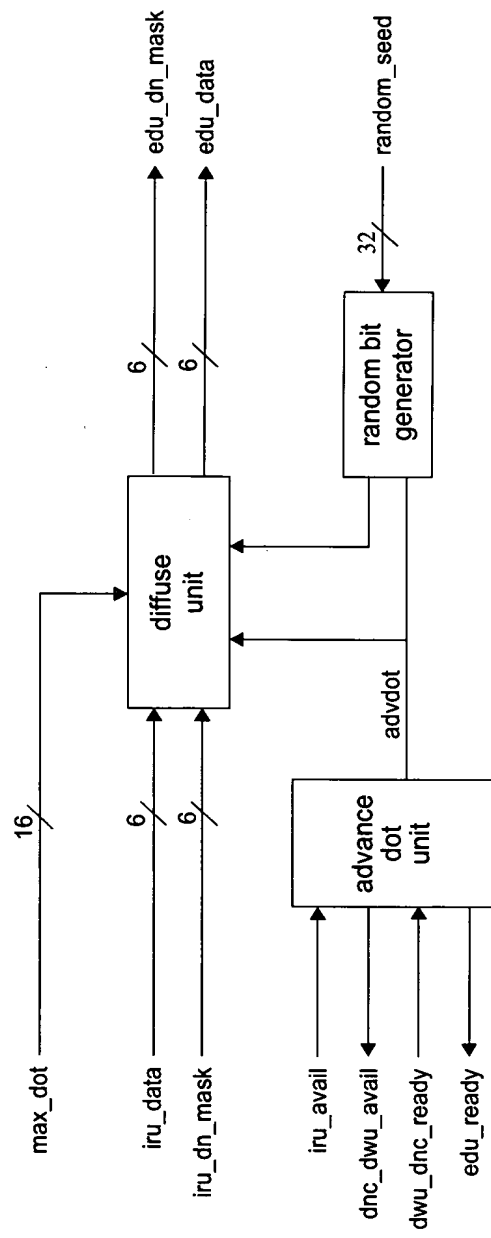


FIG. 251

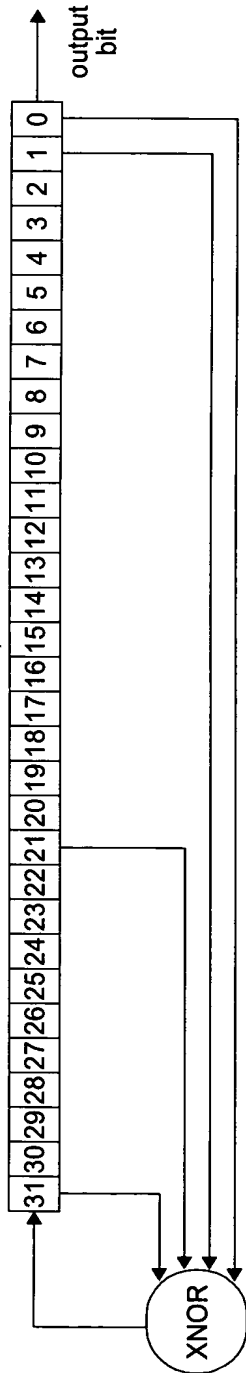


FIG. 252

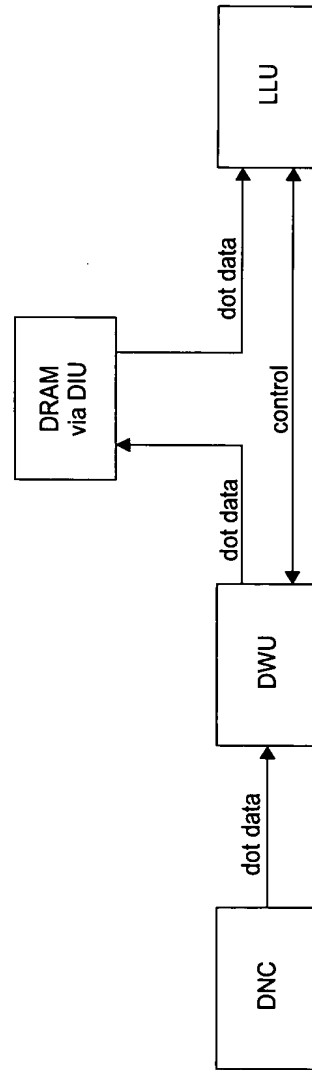
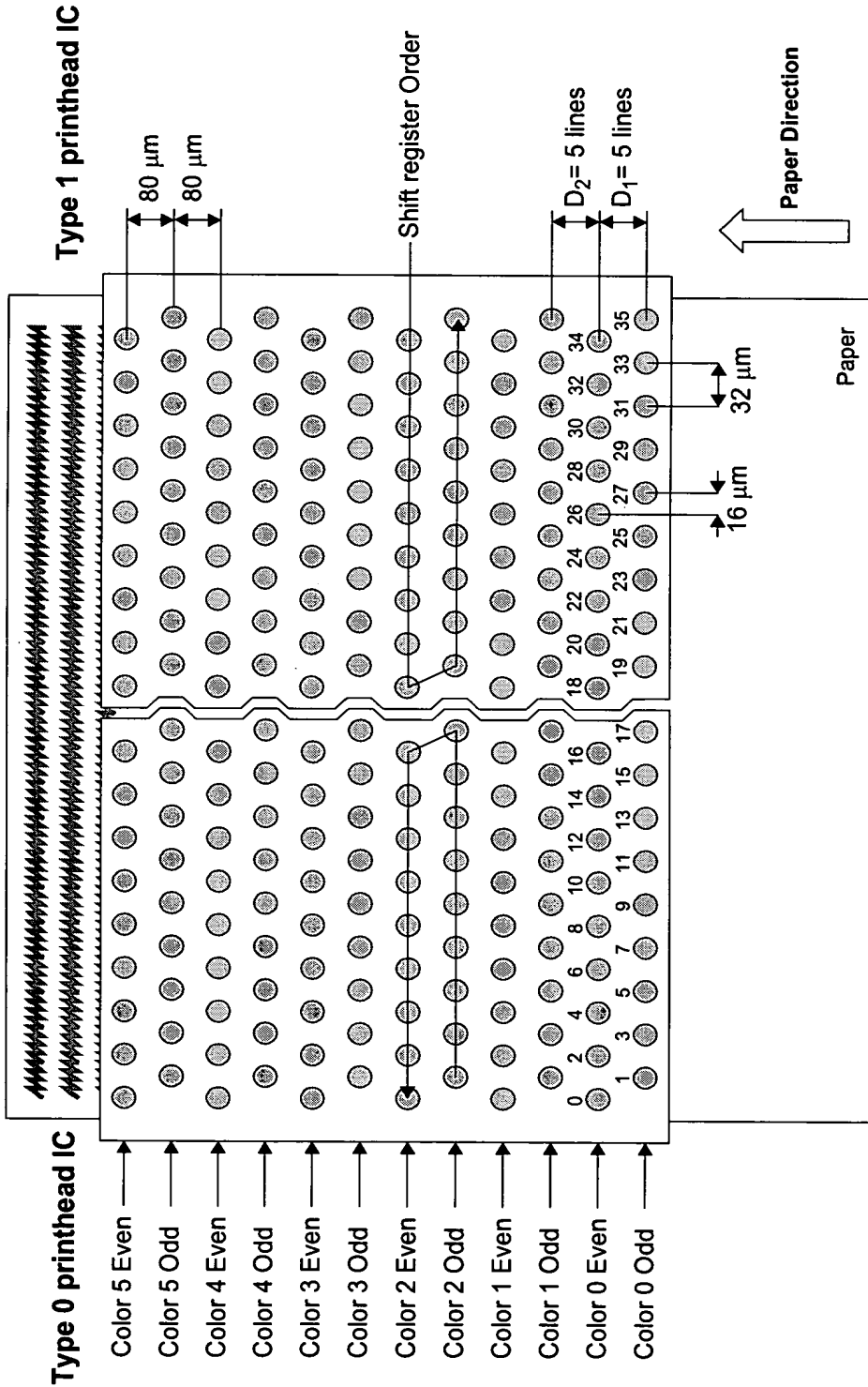


FIG. 253



Note: Paper passes under printhead

FIG. 254

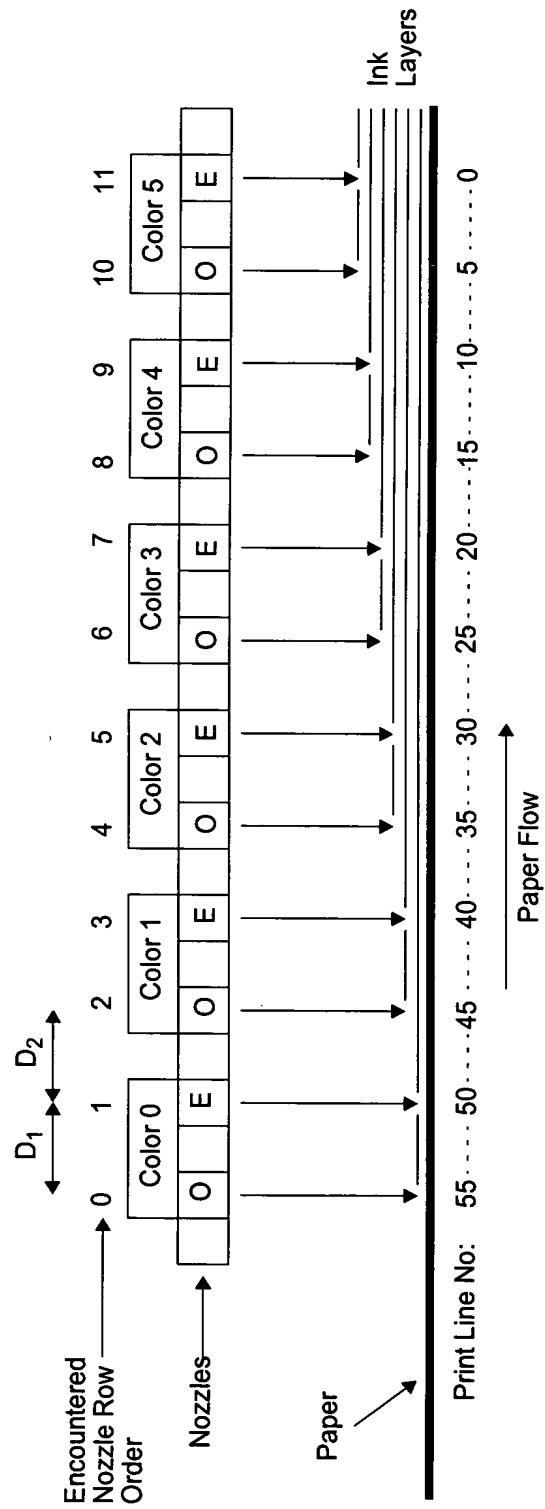


FIG. 255

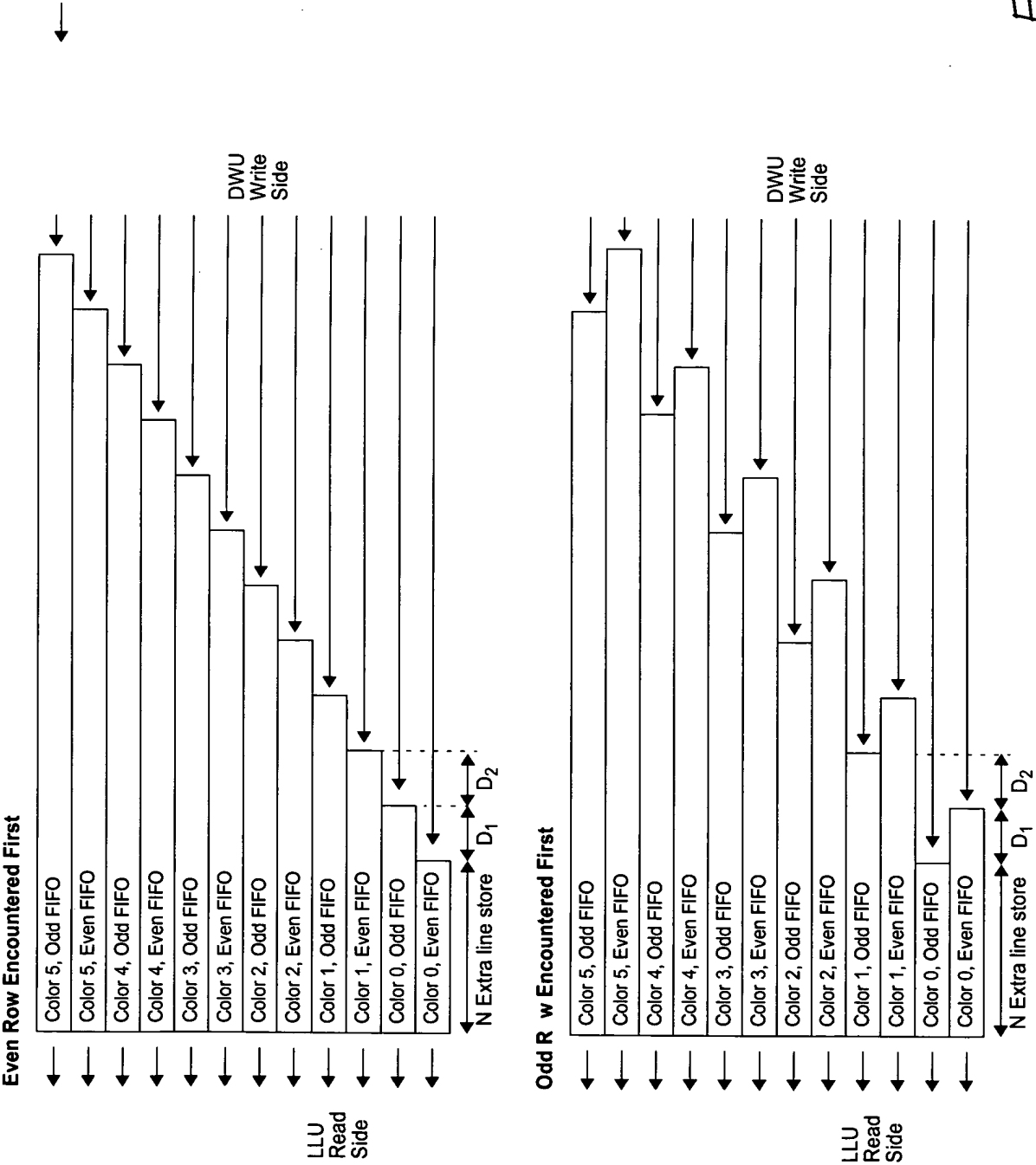


FIG. 256

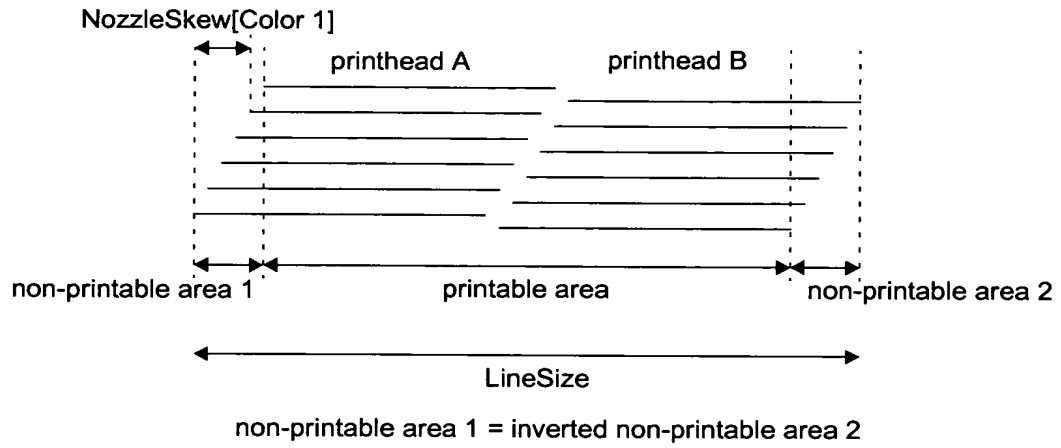


FIG. 257

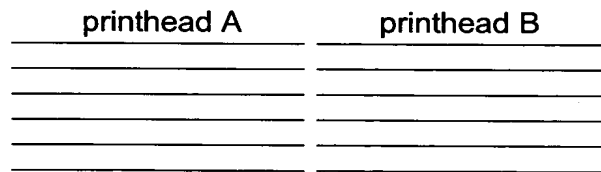


FIG. 258

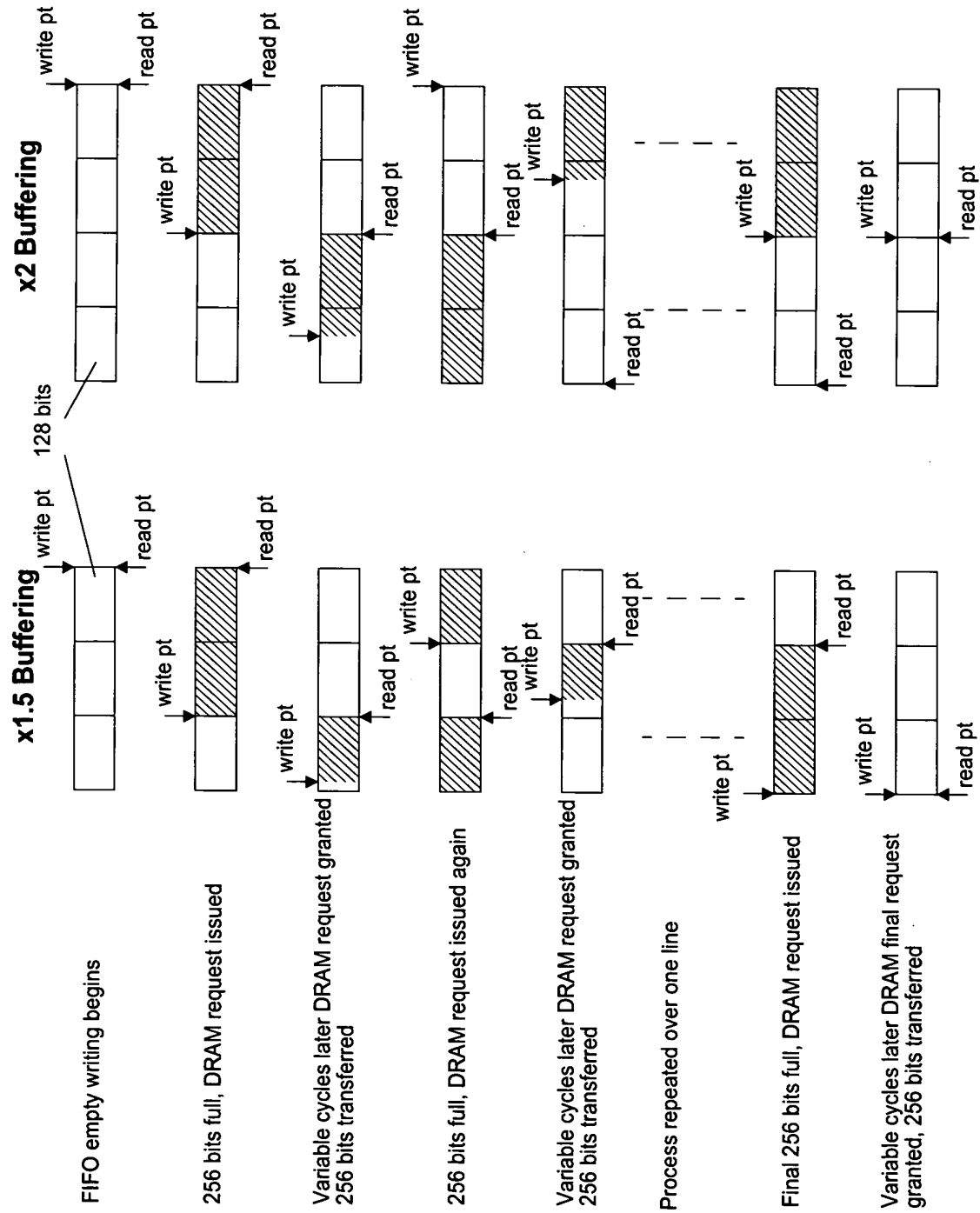


FIG. 259

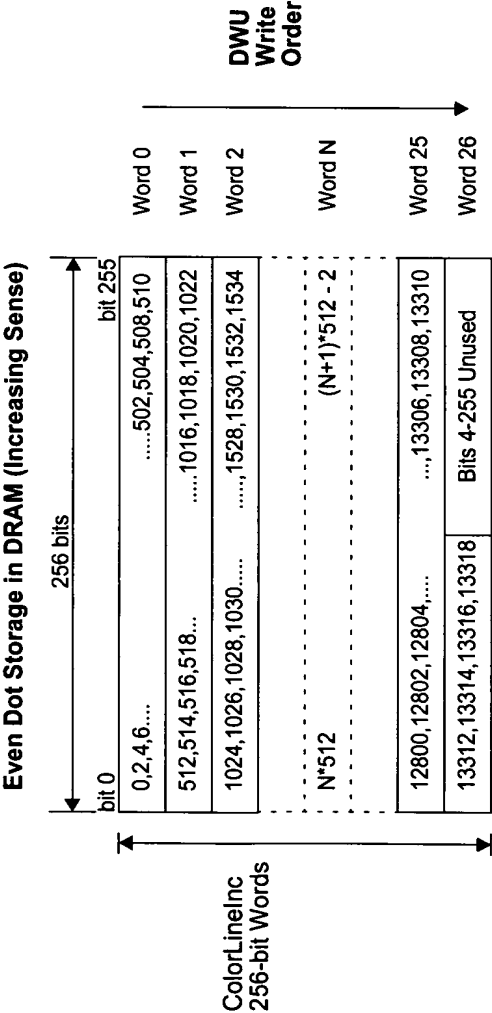


FIG. 260

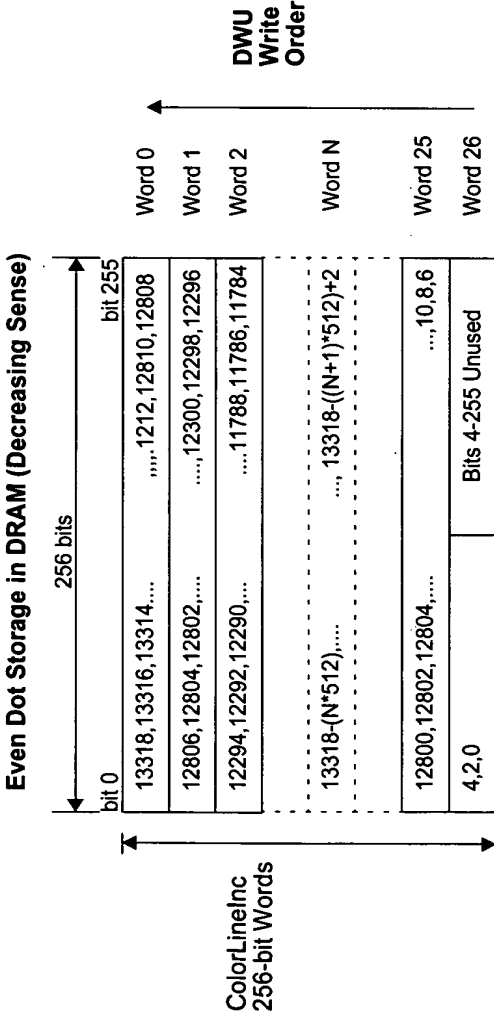


FIG. 261

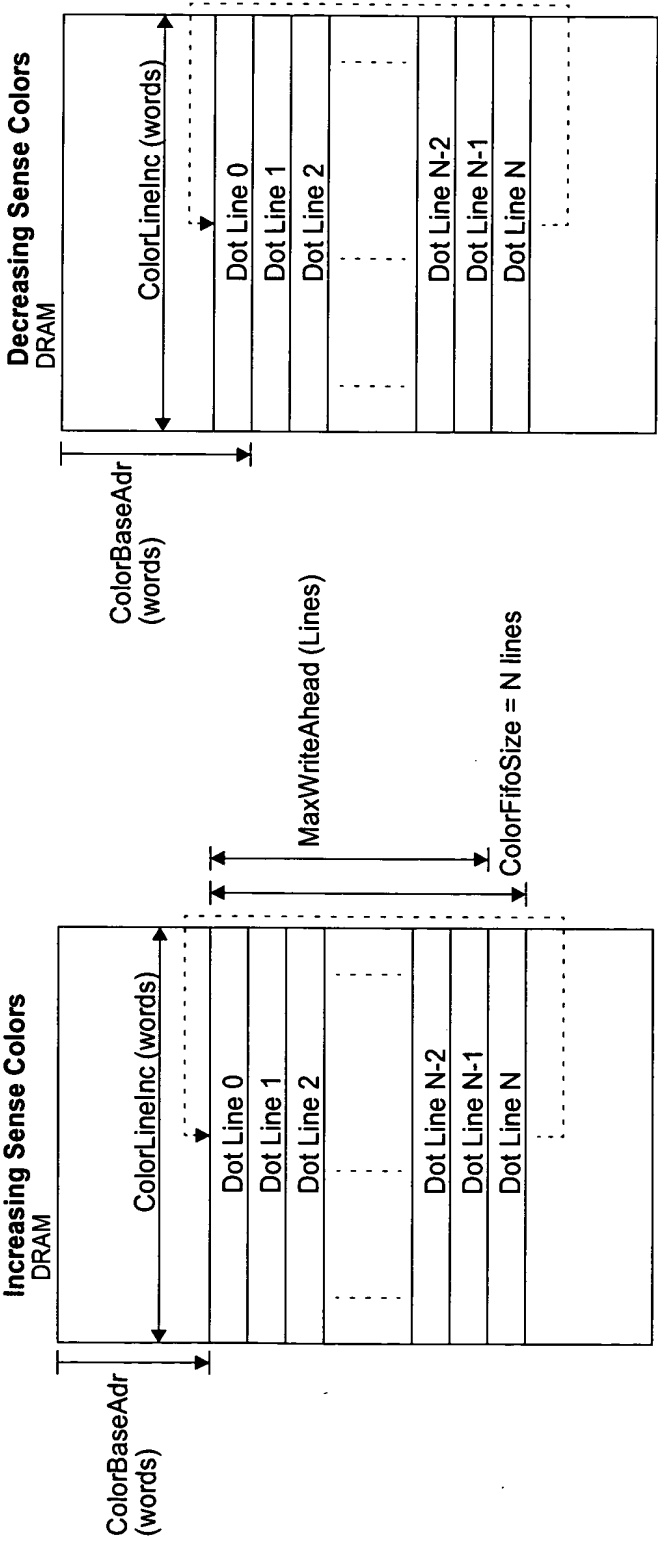


FIG. 262

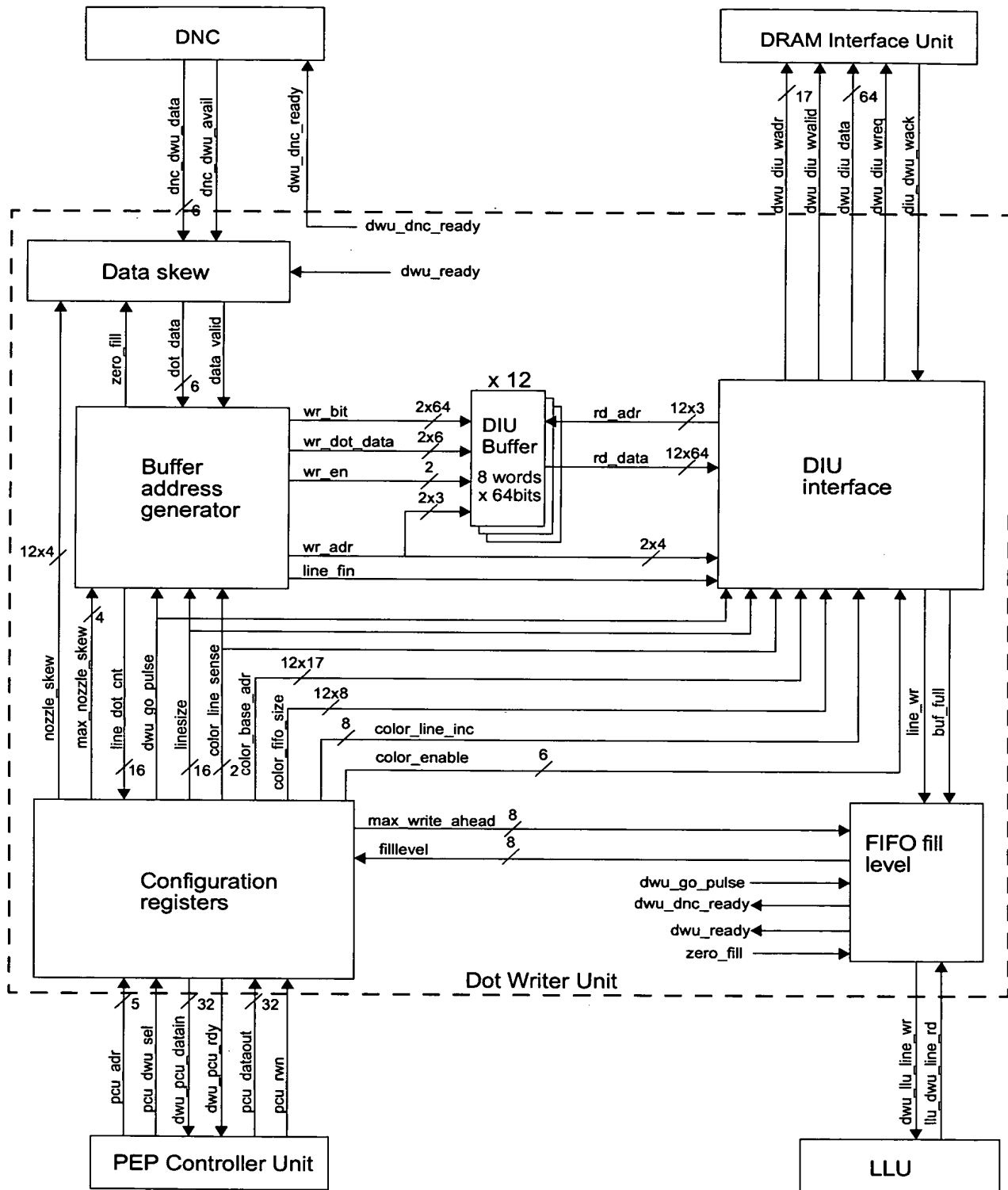


FIG. 263

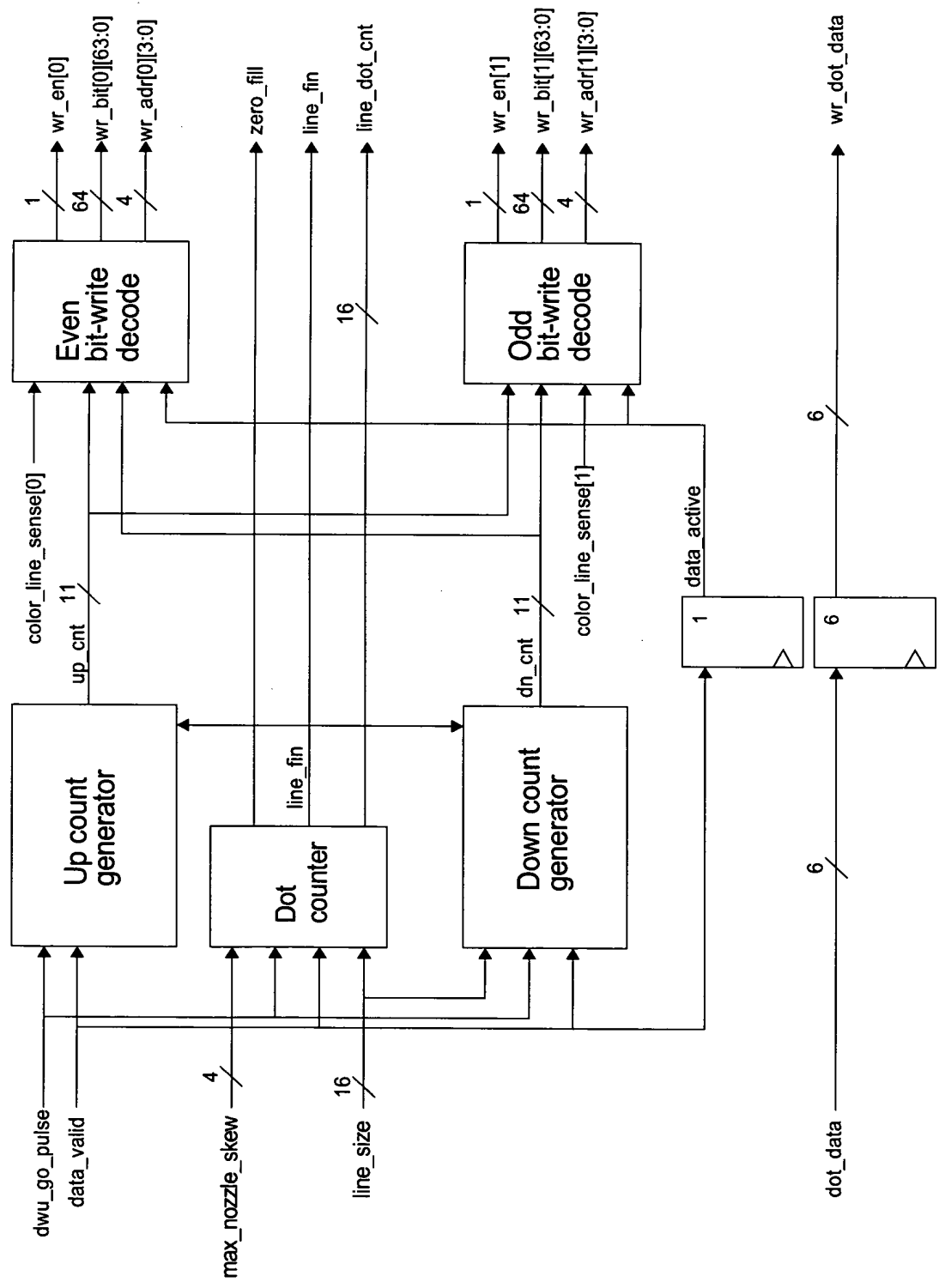


FIG. 264

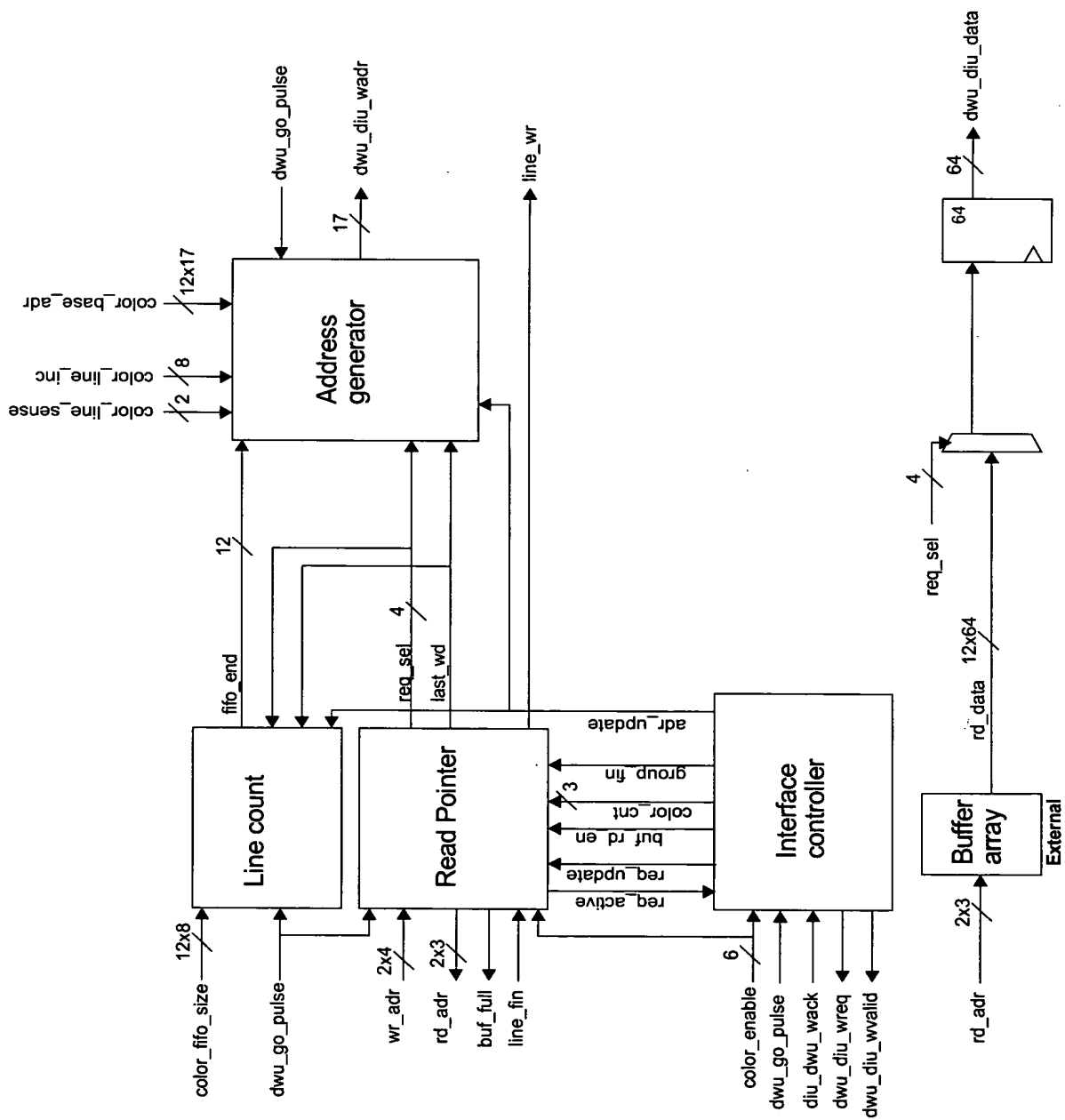


FIG. 265

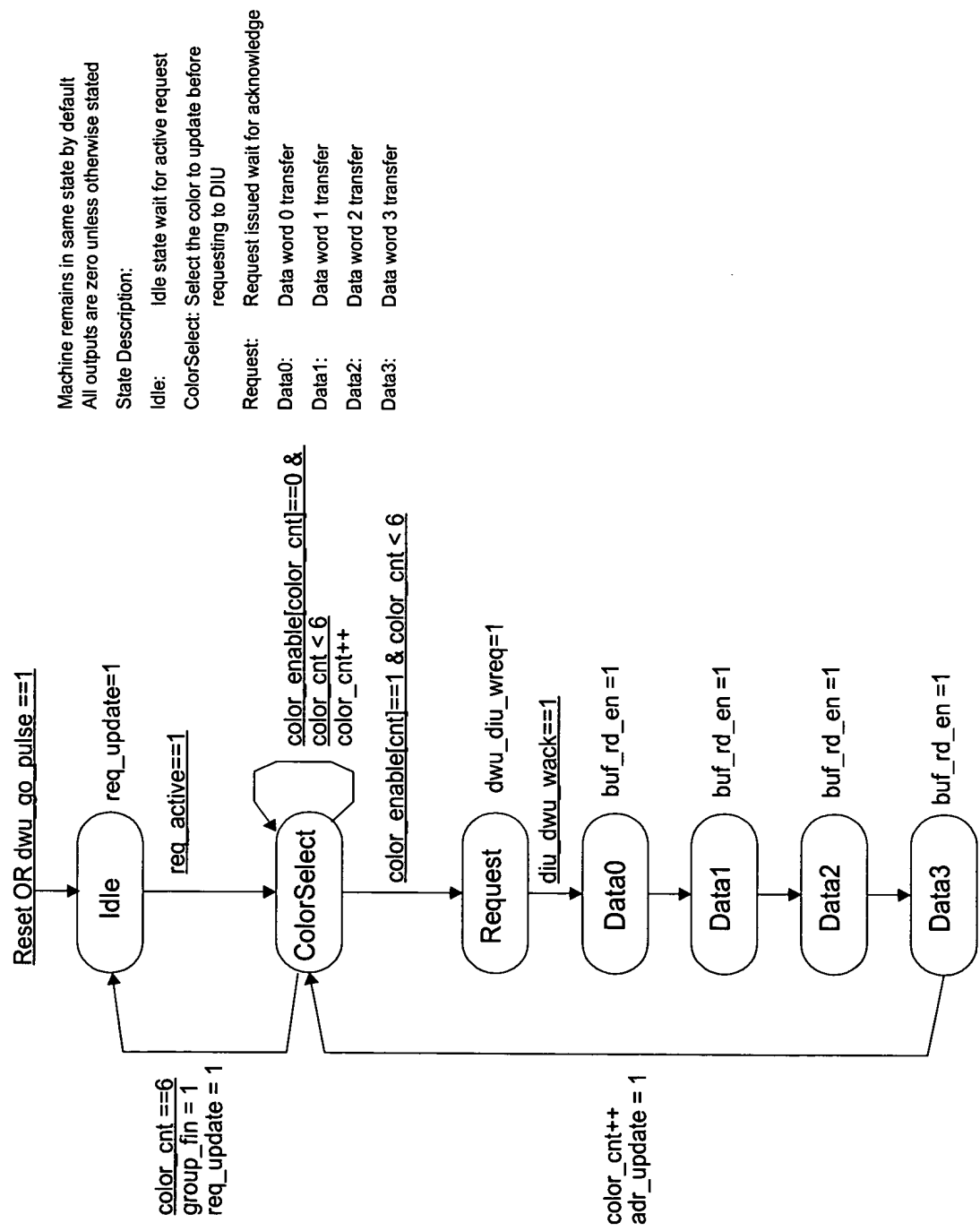


FIG. 266

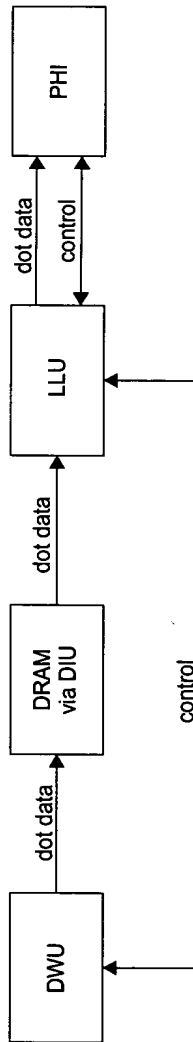


FIG. 267

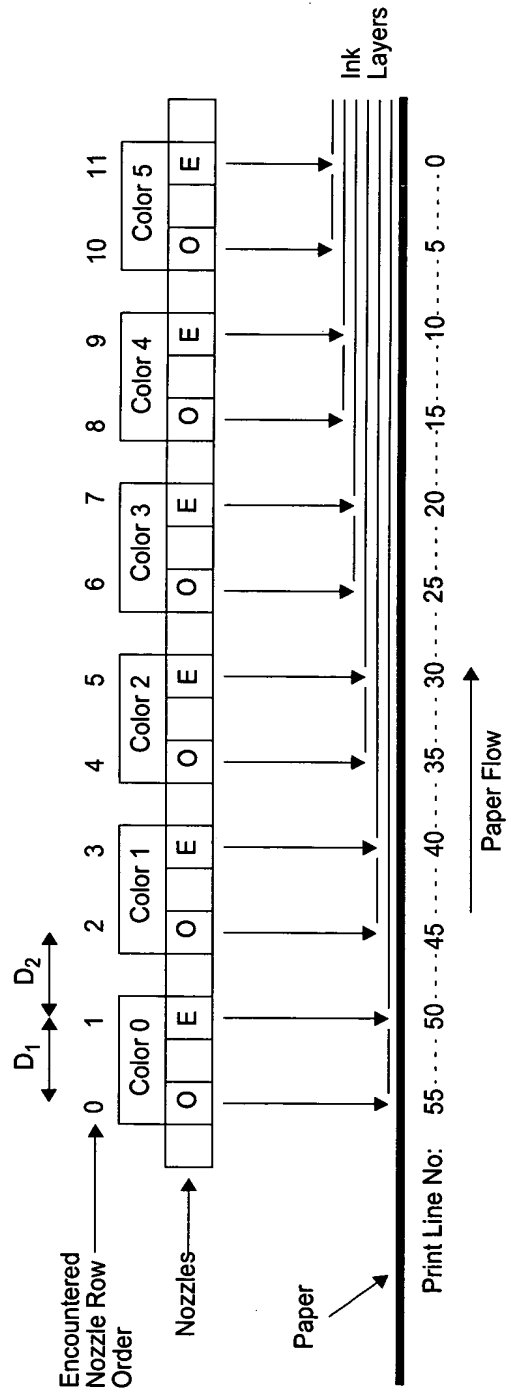
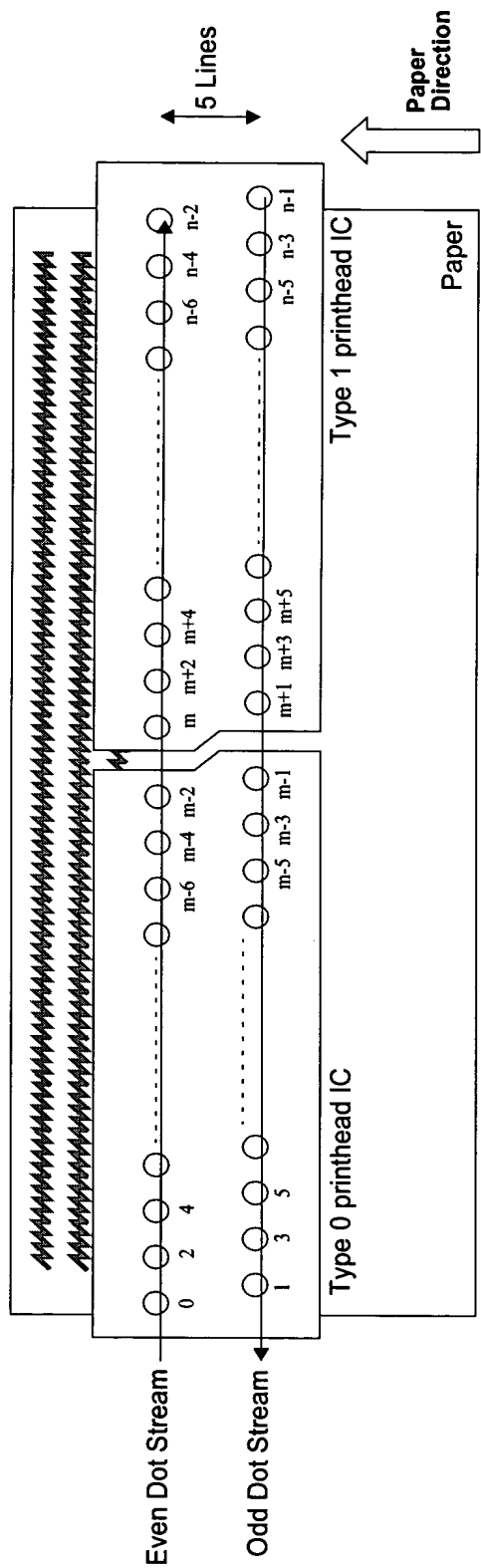


FIG. 268



M - Midway point in dots
N - Number of dots in a line

Note: Paper passing under printhead

FIG. 269

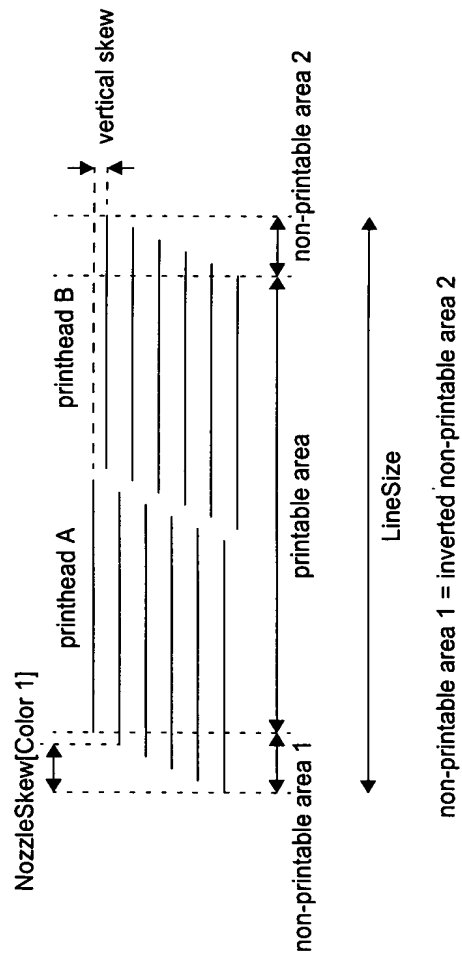


FIG. 271

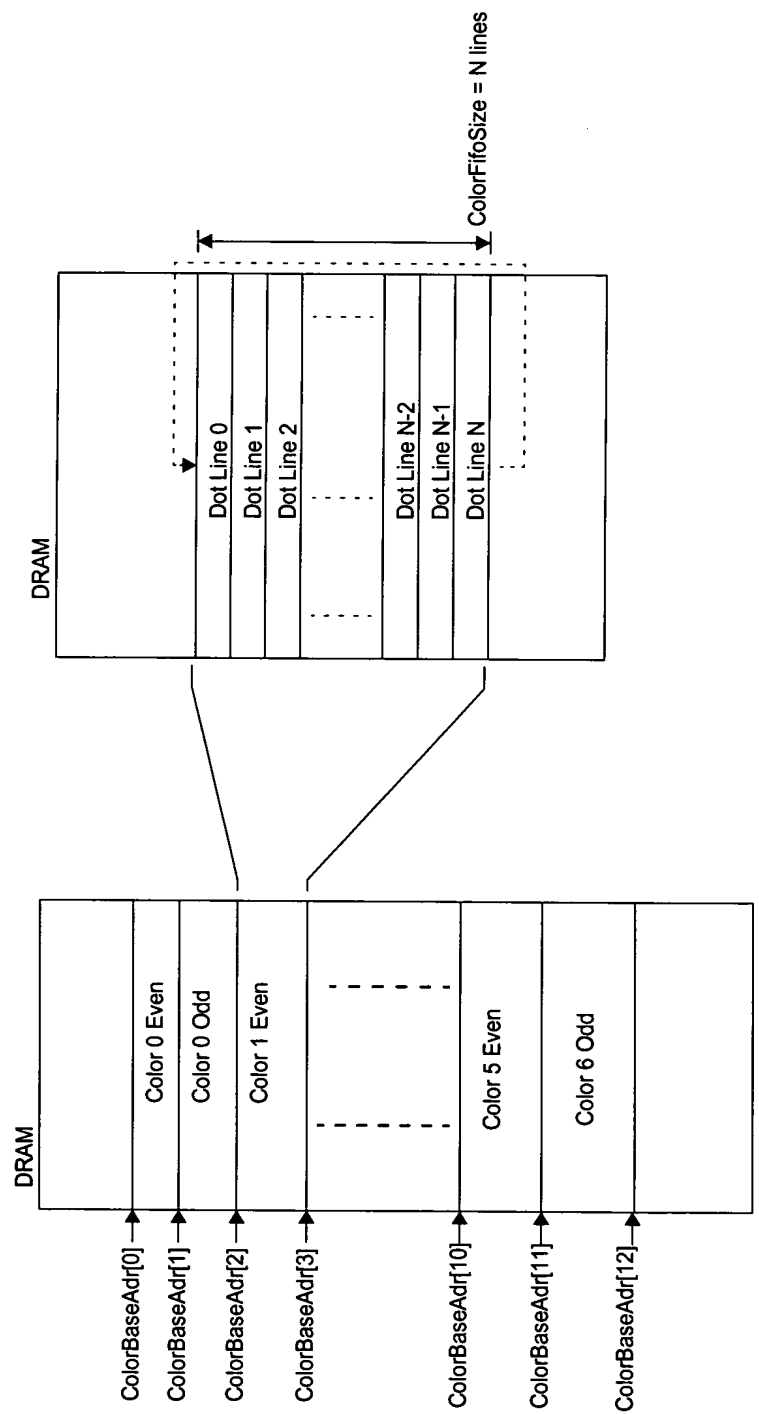
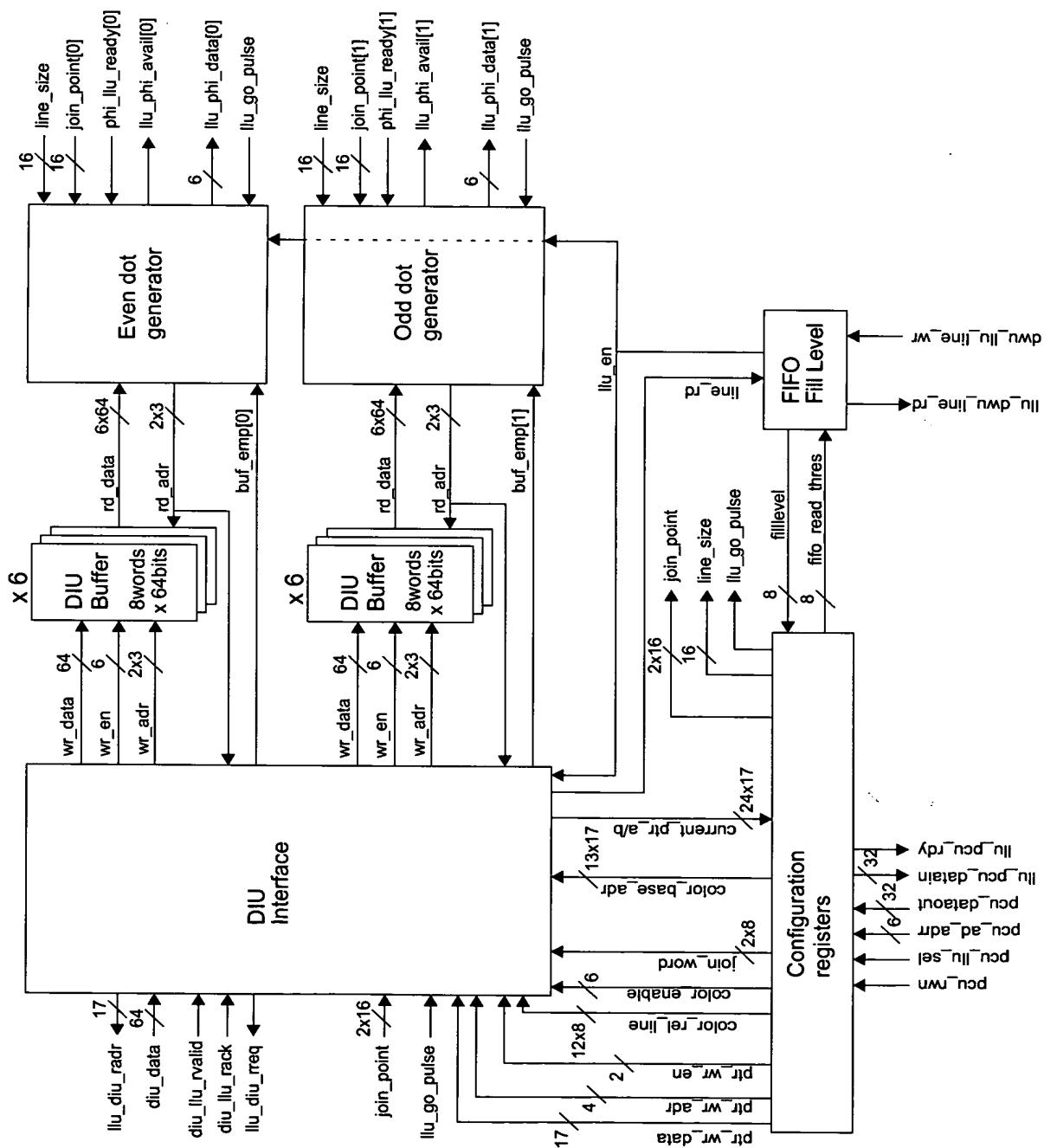


FIG. 272



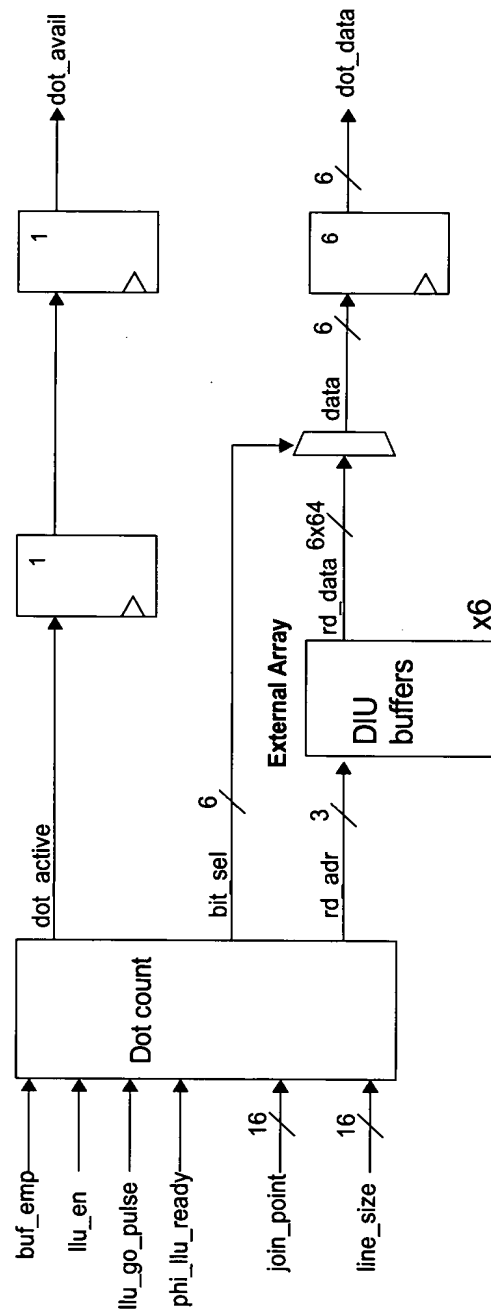


FIG. 274

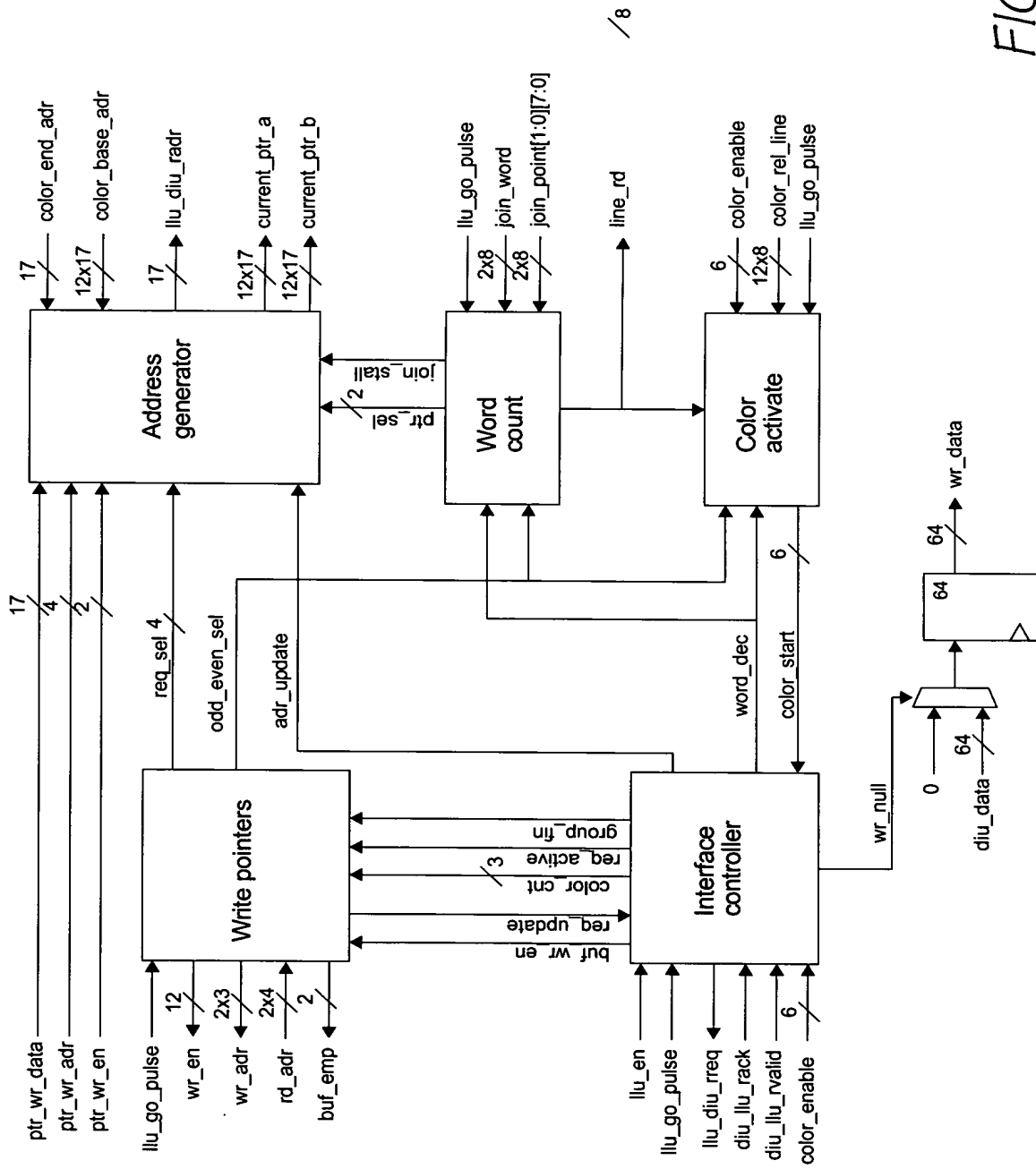
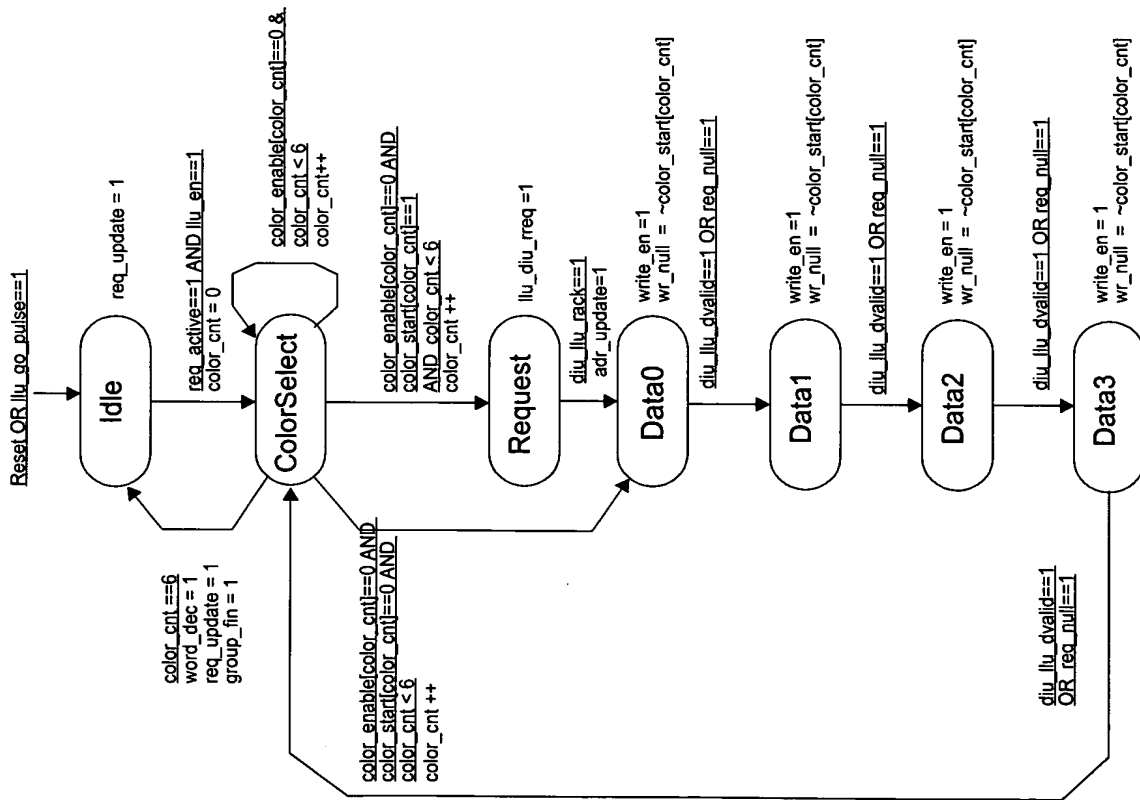


FIG. 275



Machine remains in same state by default
All outputs are zero unless otherwise stated

State Description:

Idle: Idle state wait for active request

ColorSelect: Select the color to update before requesting to DIU

Request: Request issued wait for acknowledge

Data0: Data word 0 transfer

Data1: Data word 1 transfer

Data2: Data word 2 transfer

Data3: Data word 3 transfer

FIG. 276

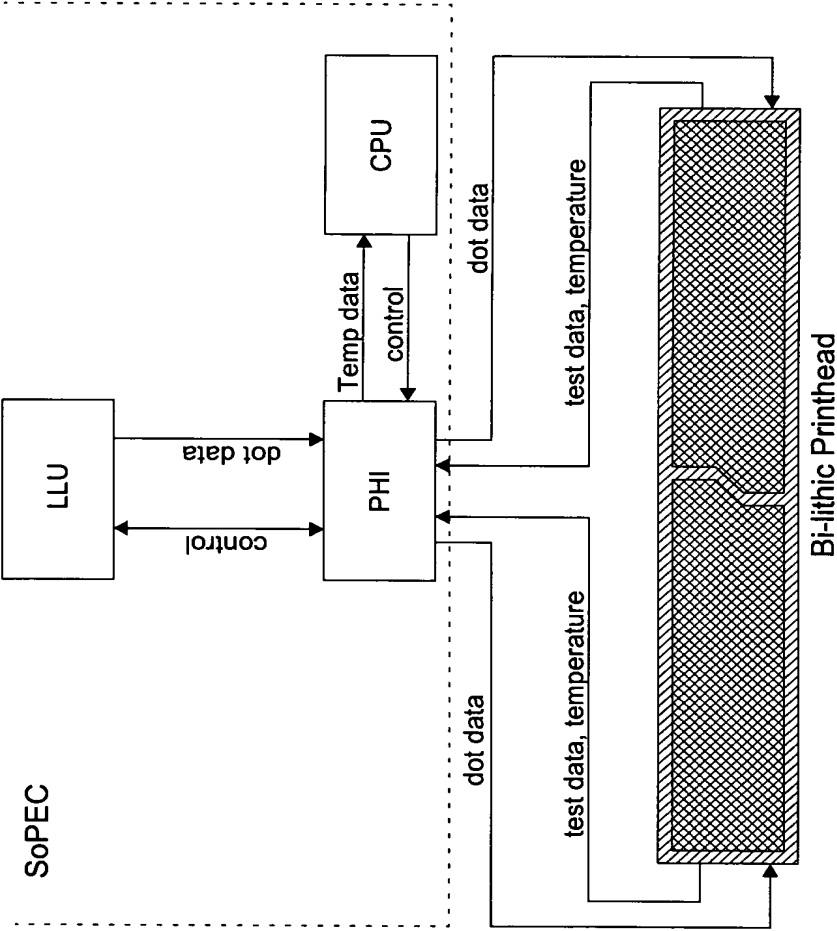


FIG. 277

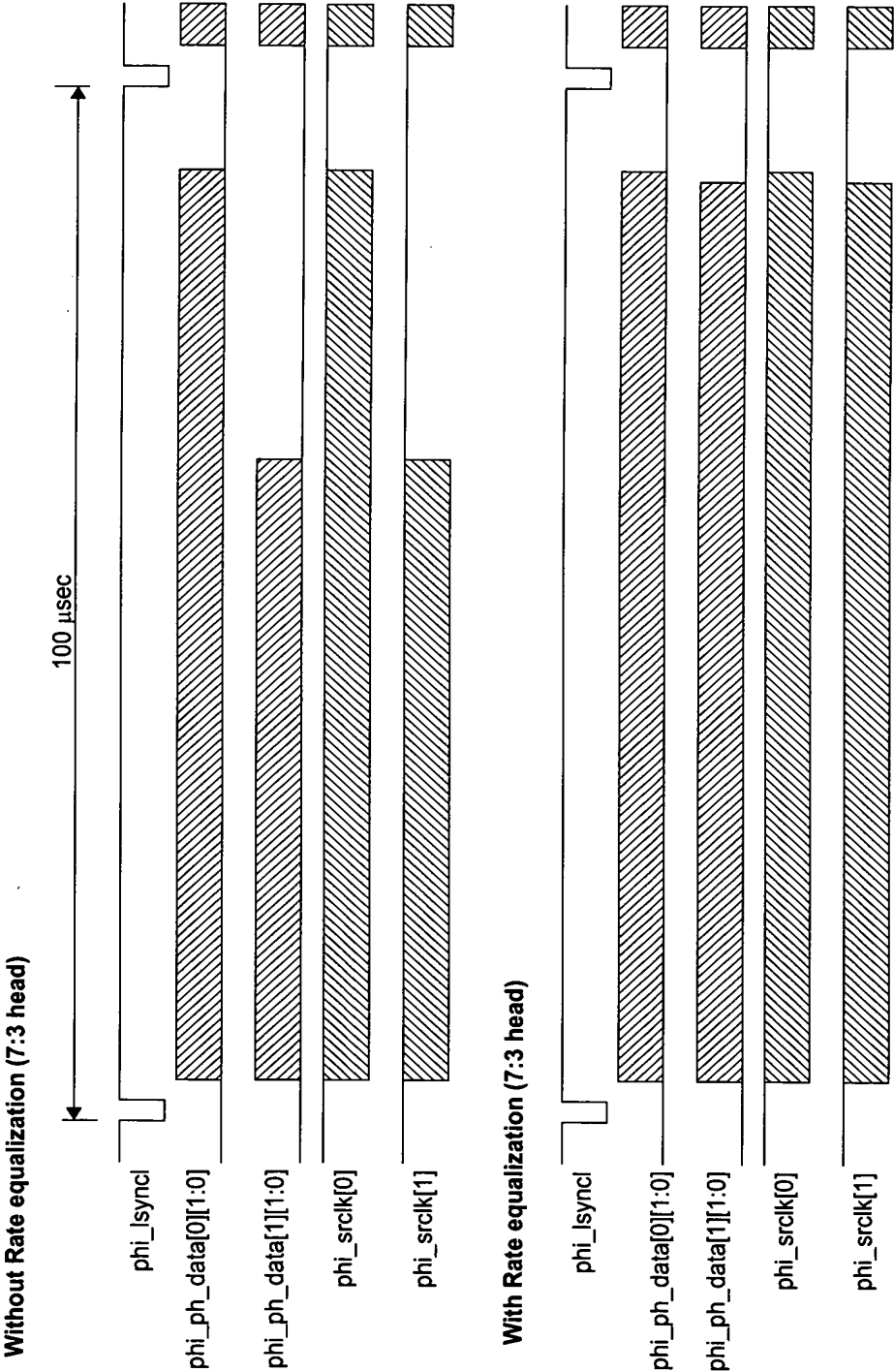
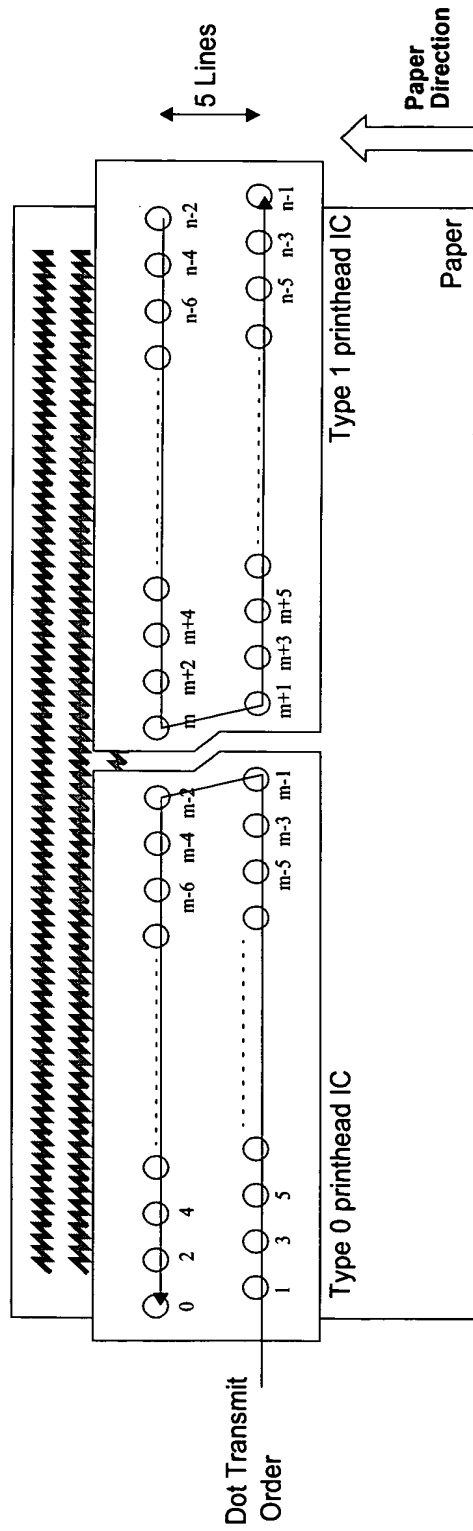


FIG. 279



Note: Paper passing under printhead

FIG. 280

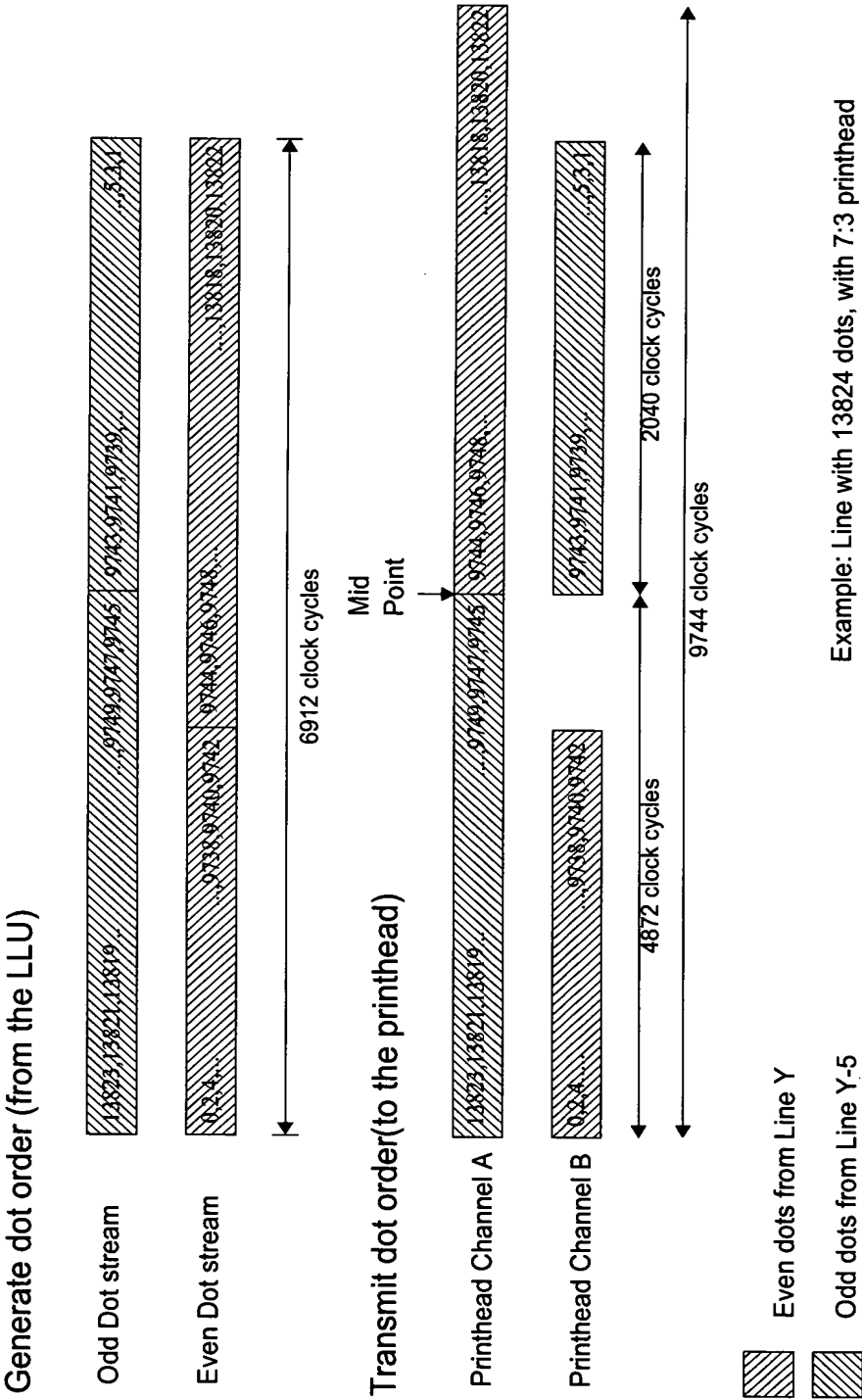


FIG. 281

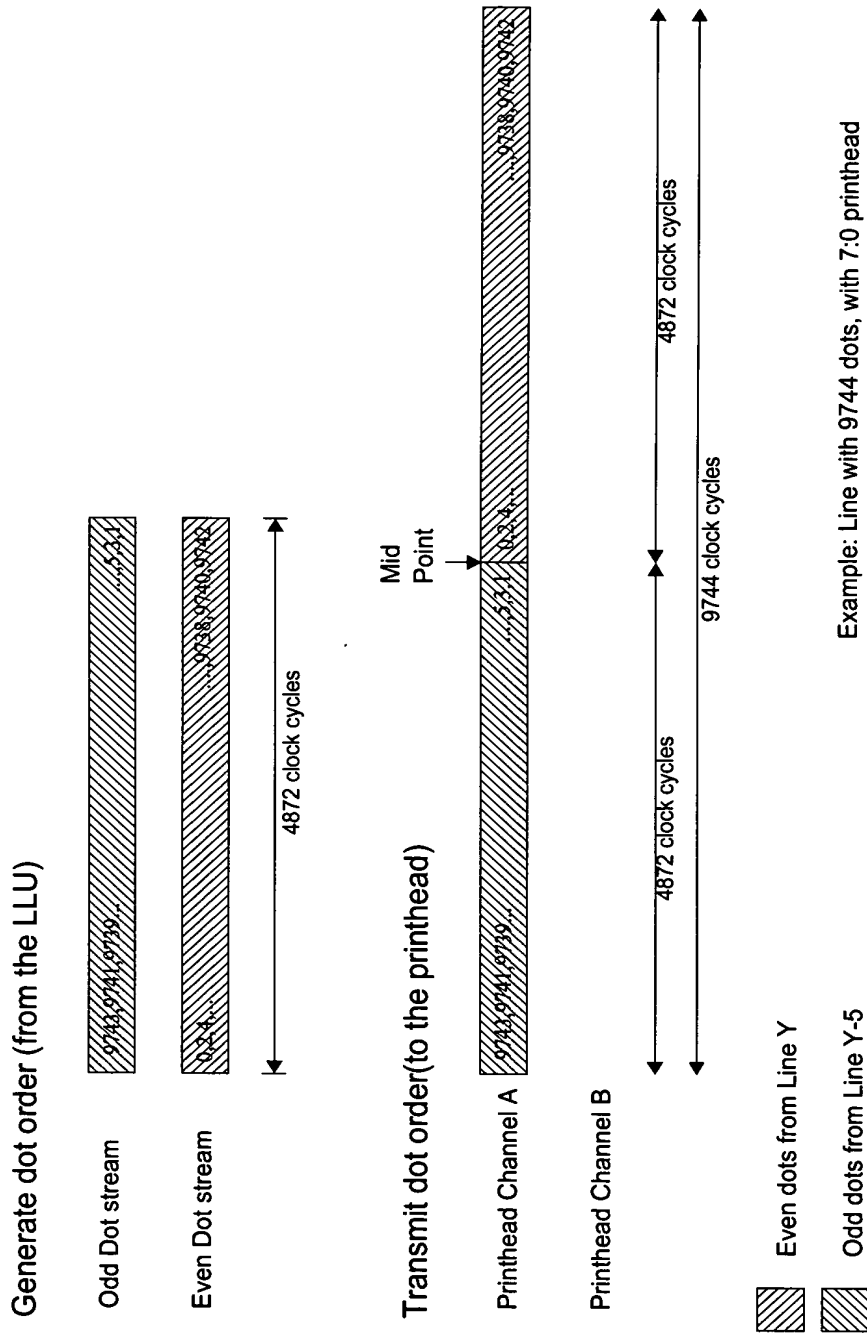


FIG. 282

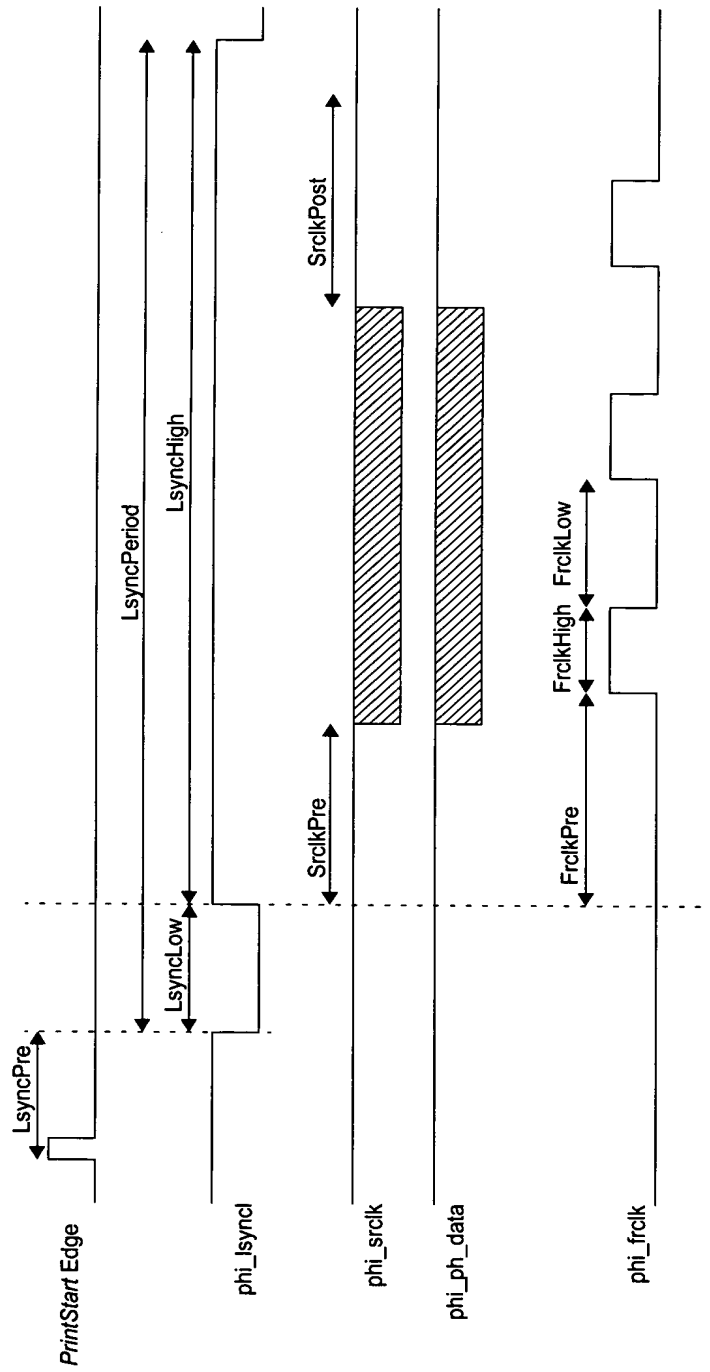


FIG. 283

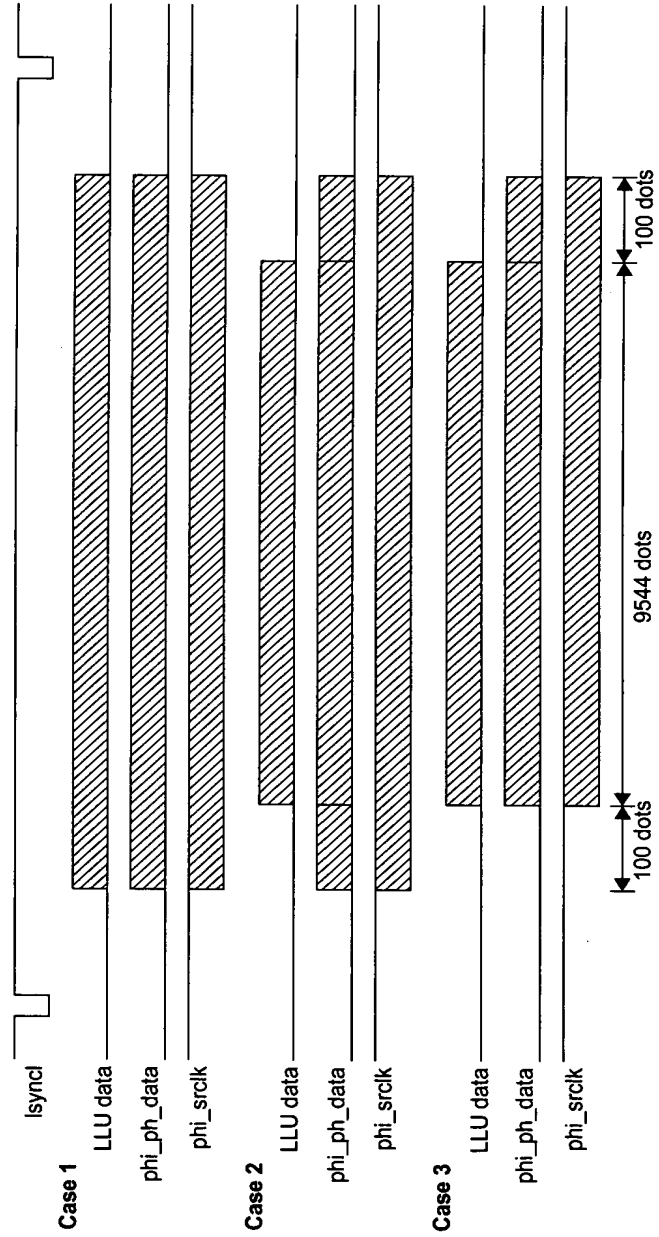
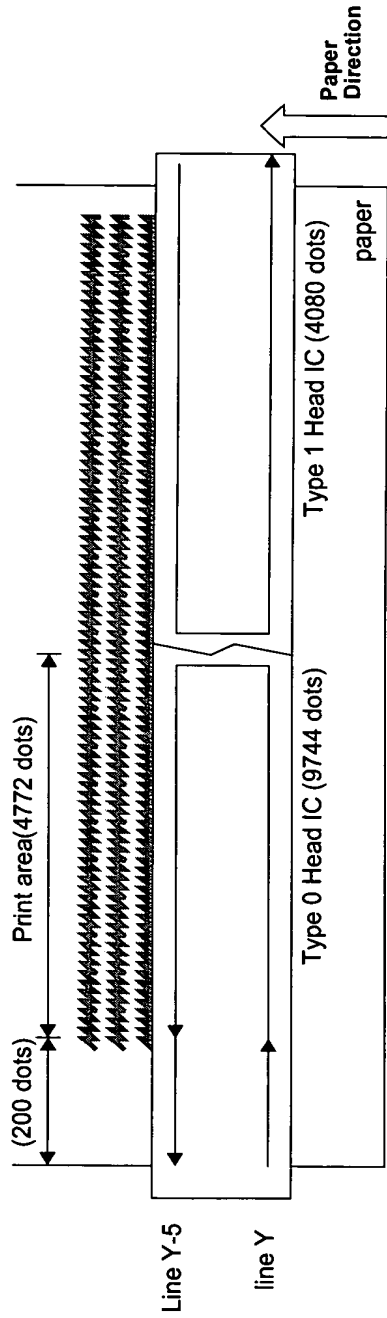


FIG. 284

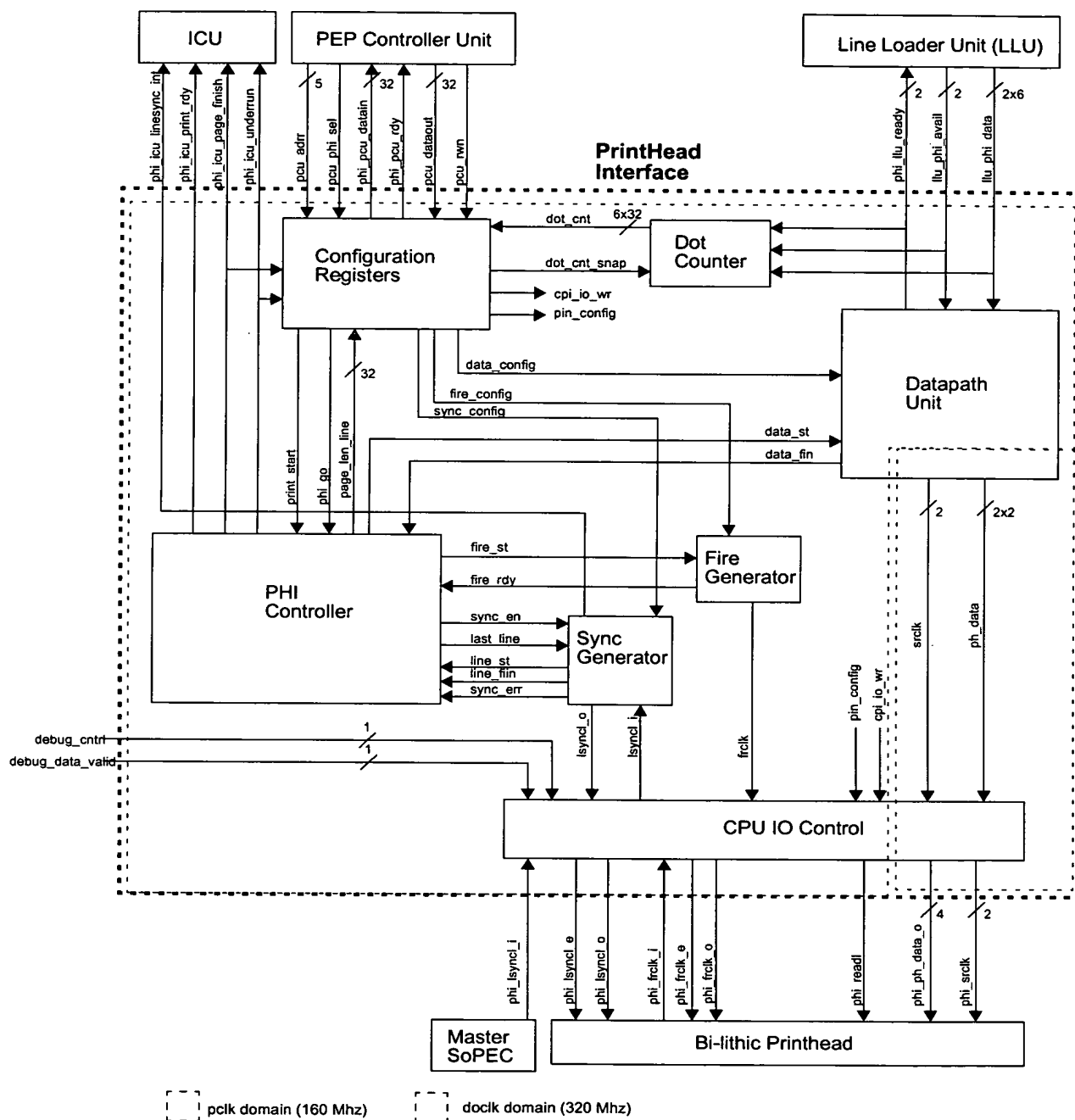


FIG. 285

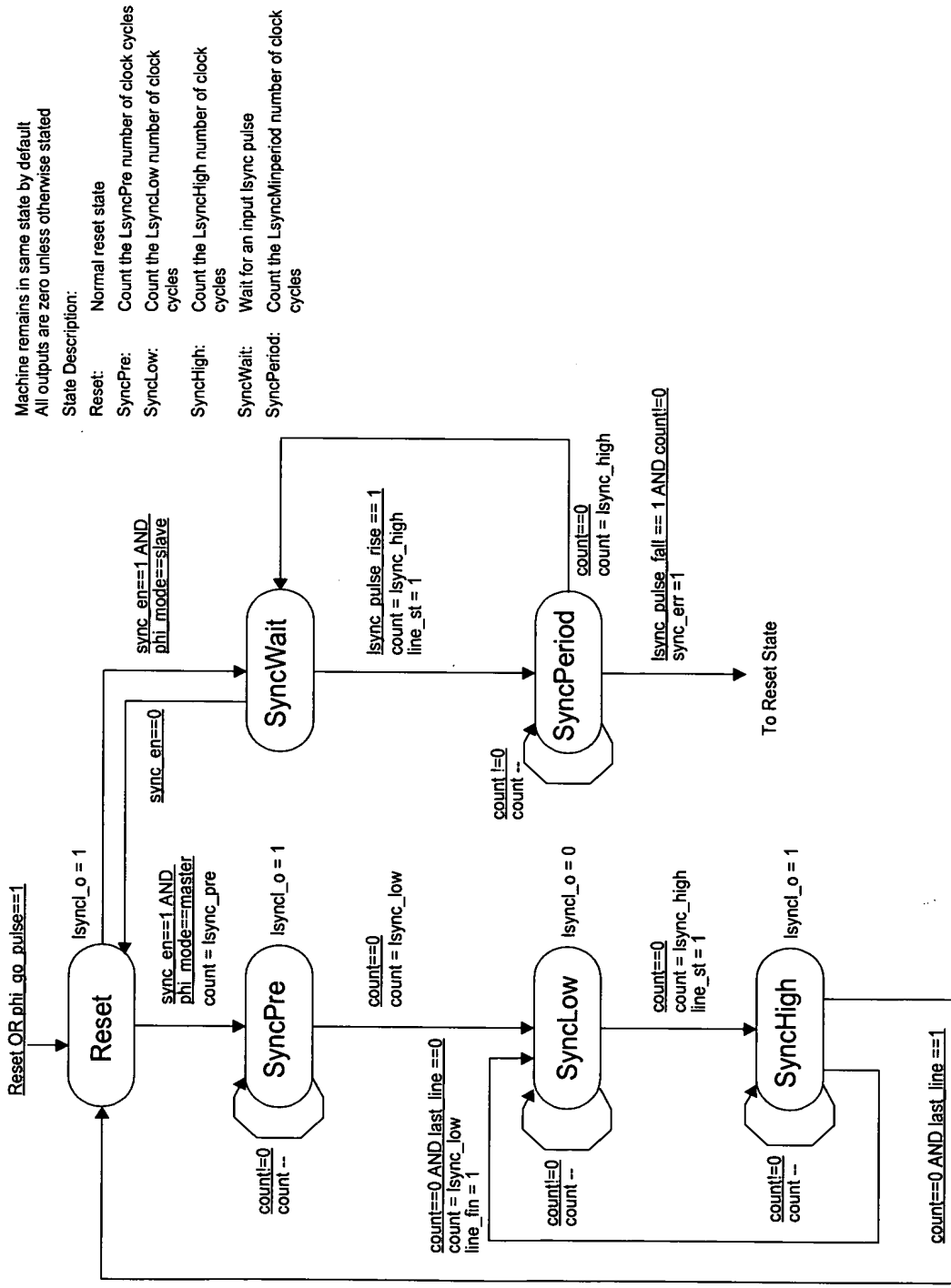


FIG. 286

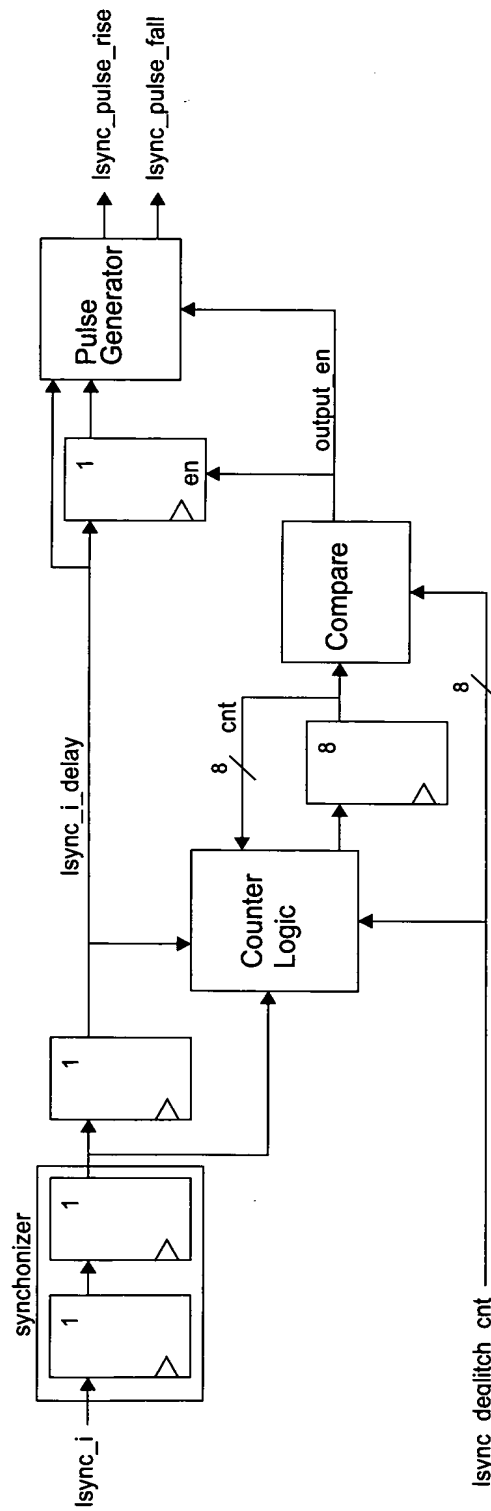
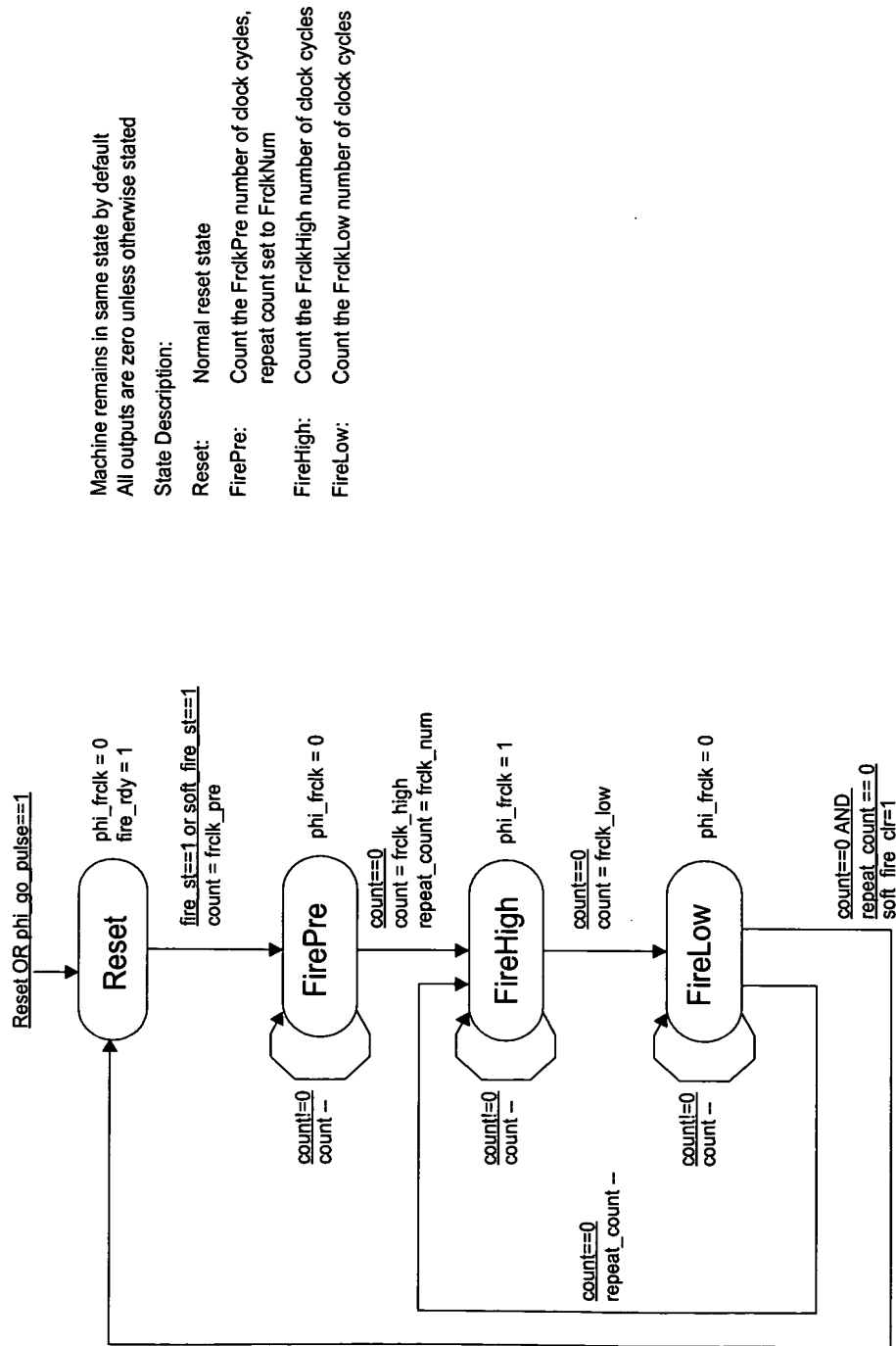


FIG. 287



Machine remains in same state by default
All outputs are zero unless otherwise stated

State Description:

Reset: Normal reset state

FirePre: Count the FrclkPre number of clock cycles, repeat count set to FrclkNum

FireHigh: Count the FrclkHigh number of clock cycles

FireLow: Count the FrclkLow number of clock cycles

FIG. 288

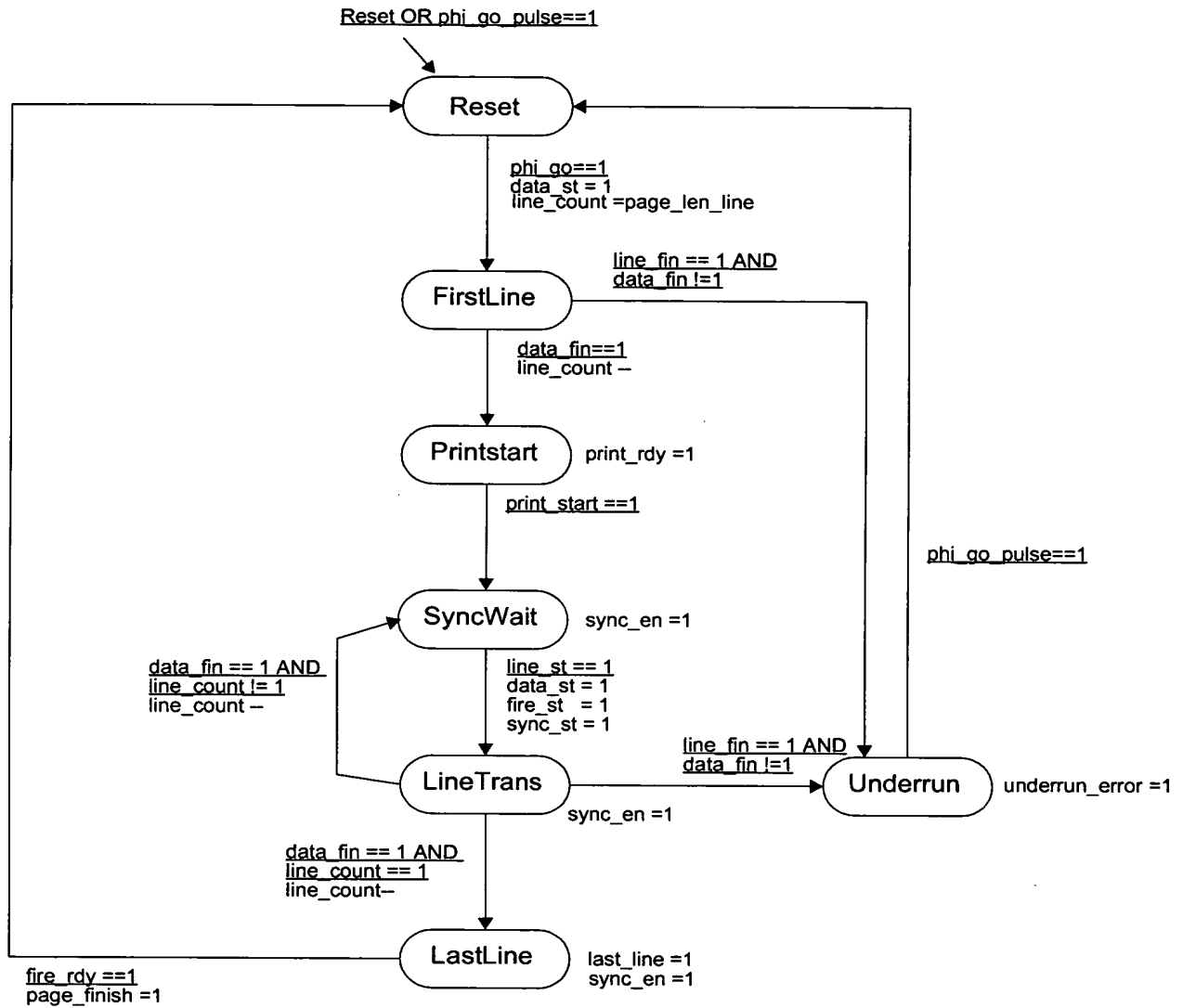


FIG. 289

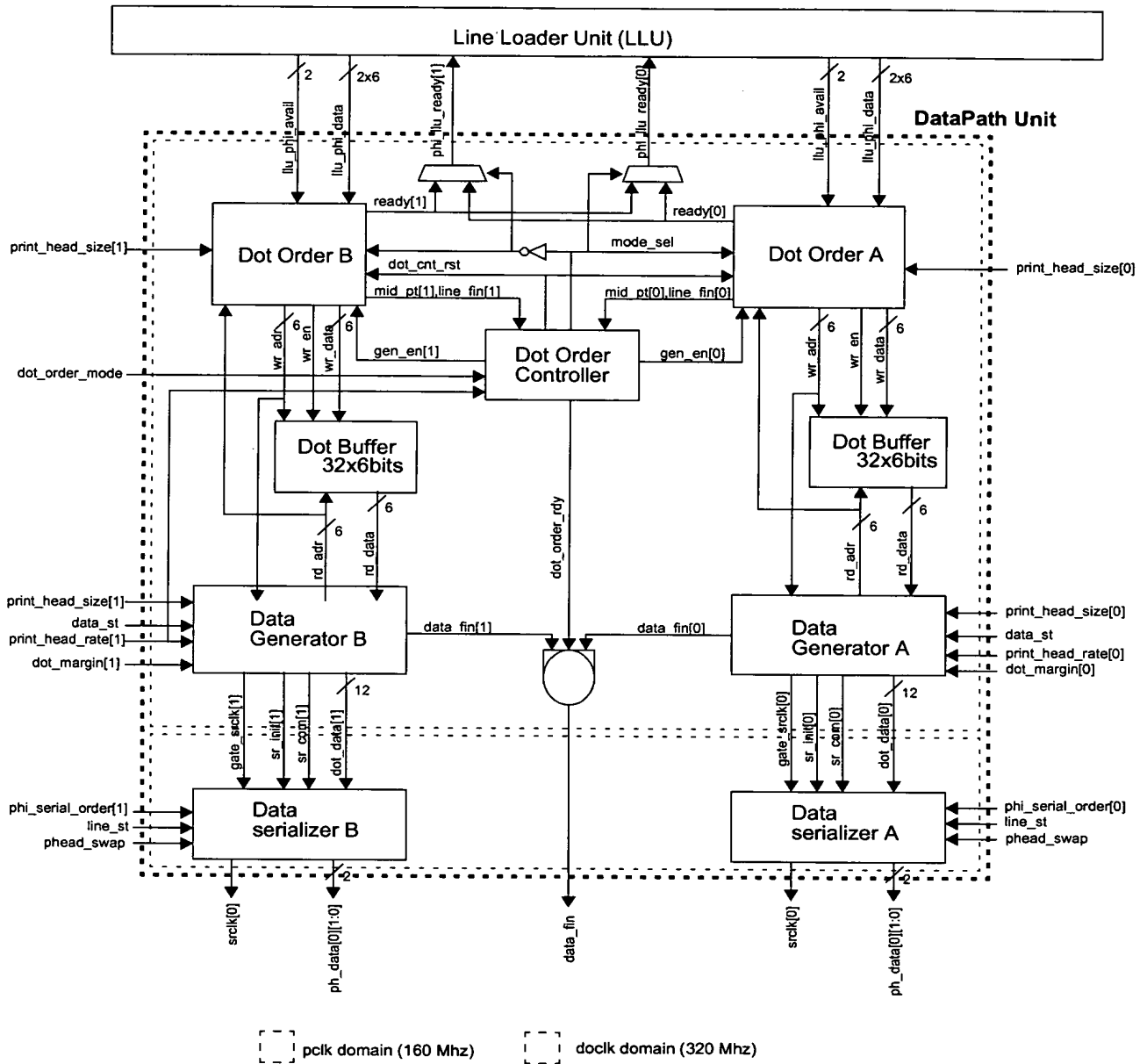


FIG. 290

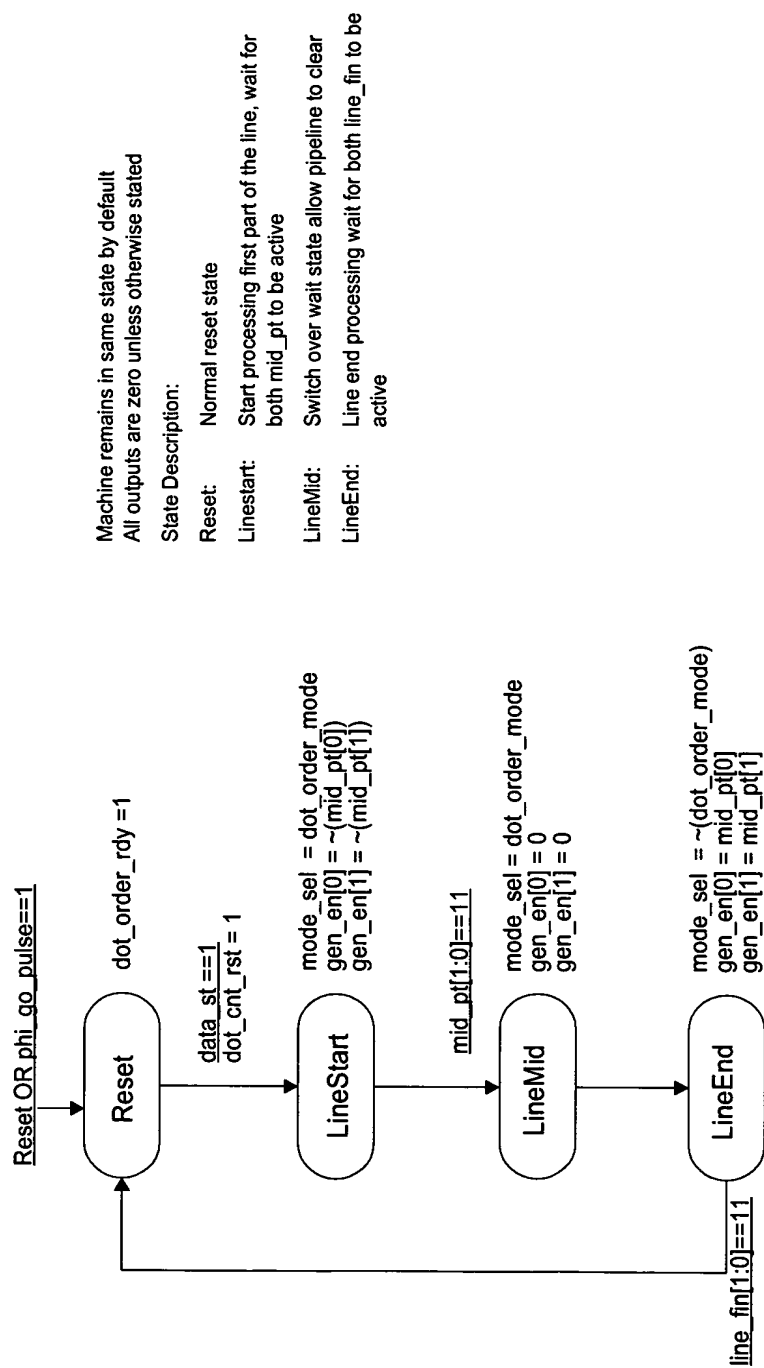


FIG. 291

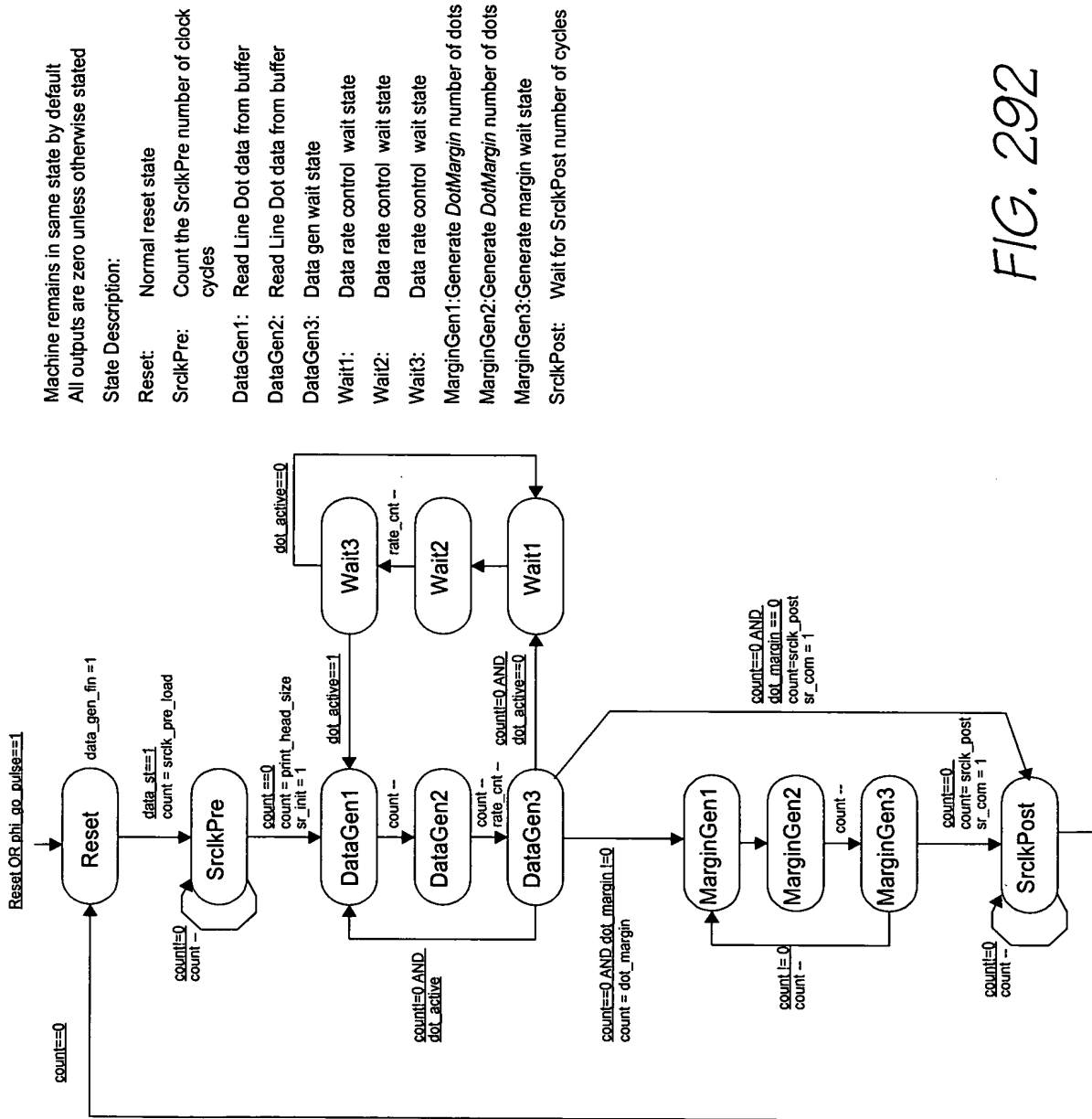


FIG. 292

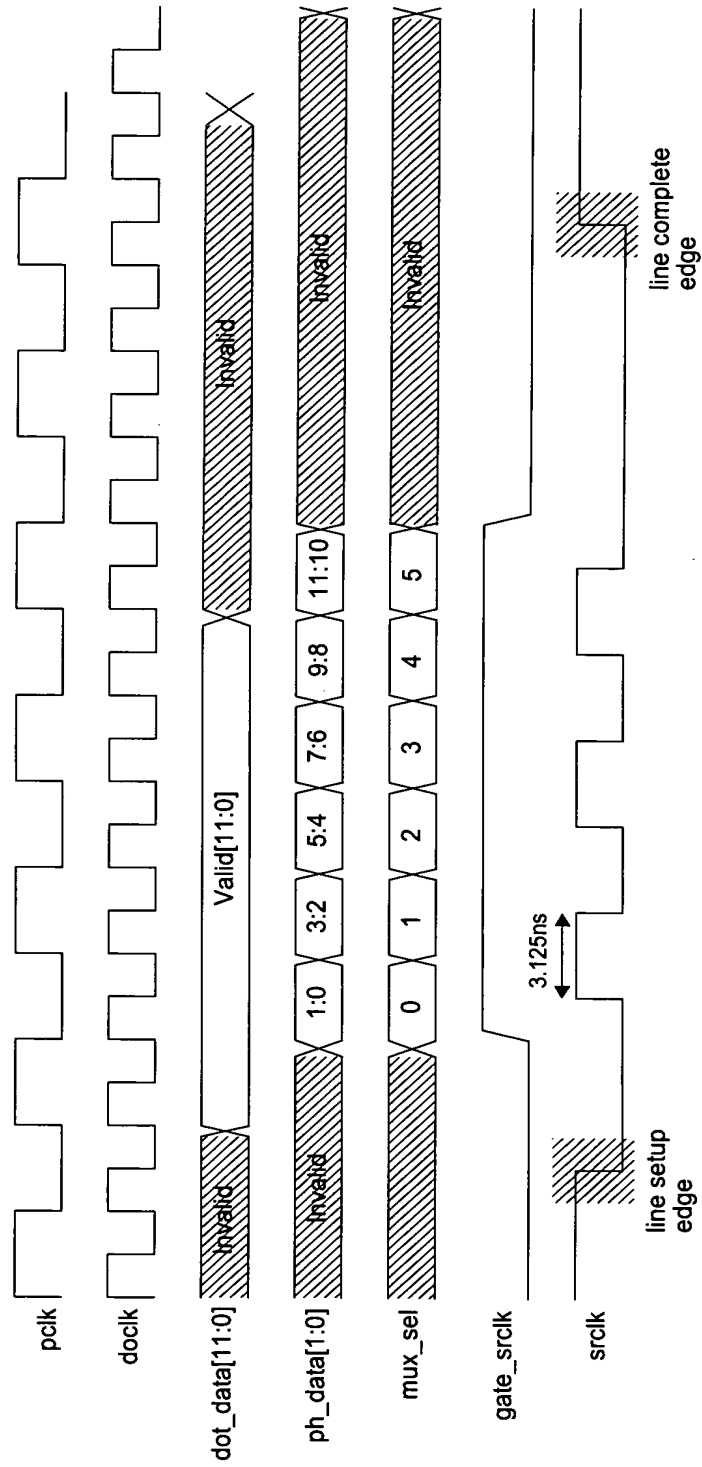
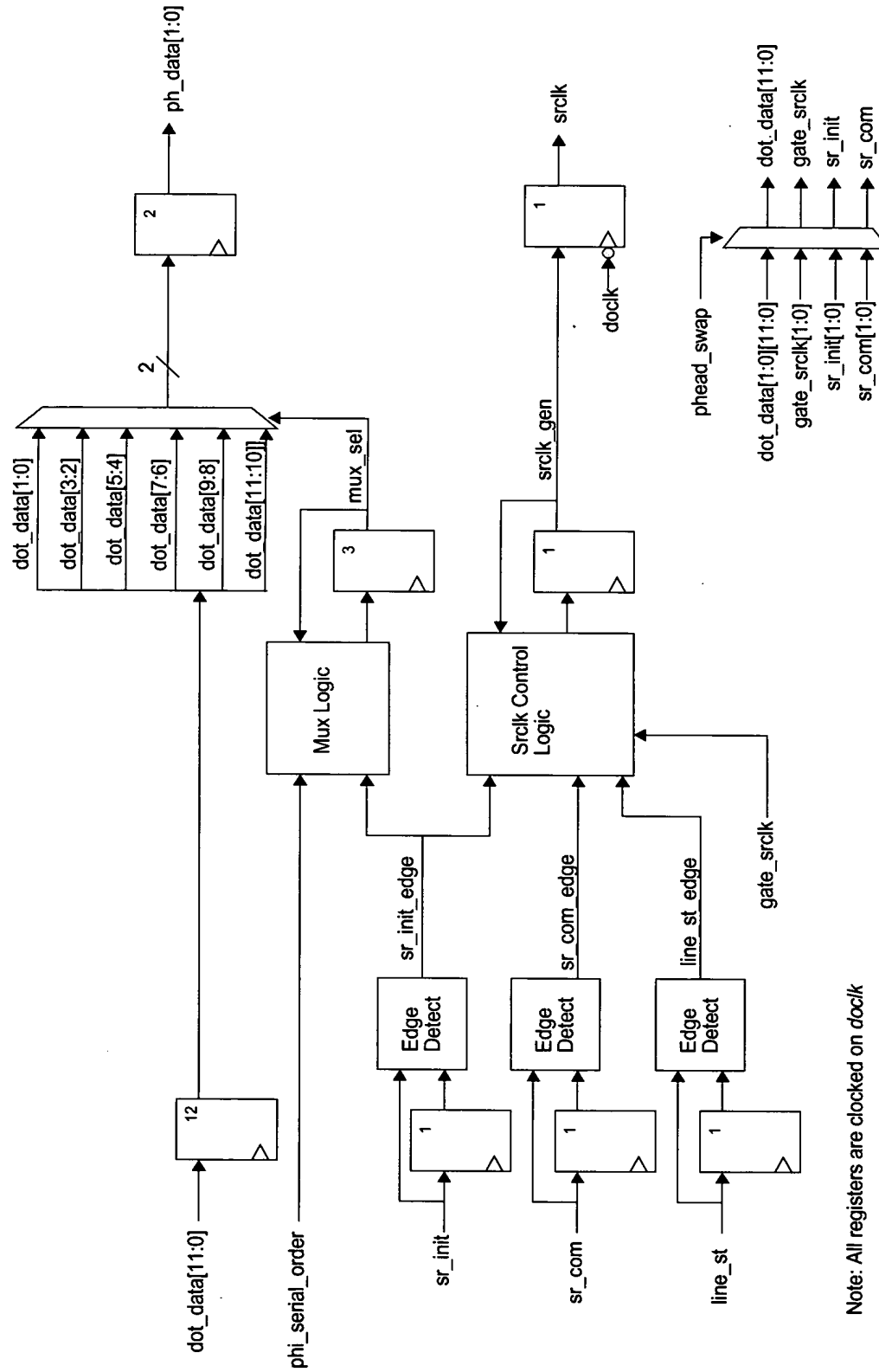


FIG. 293



Note: All registers are clocked on doclk

FIG. 294

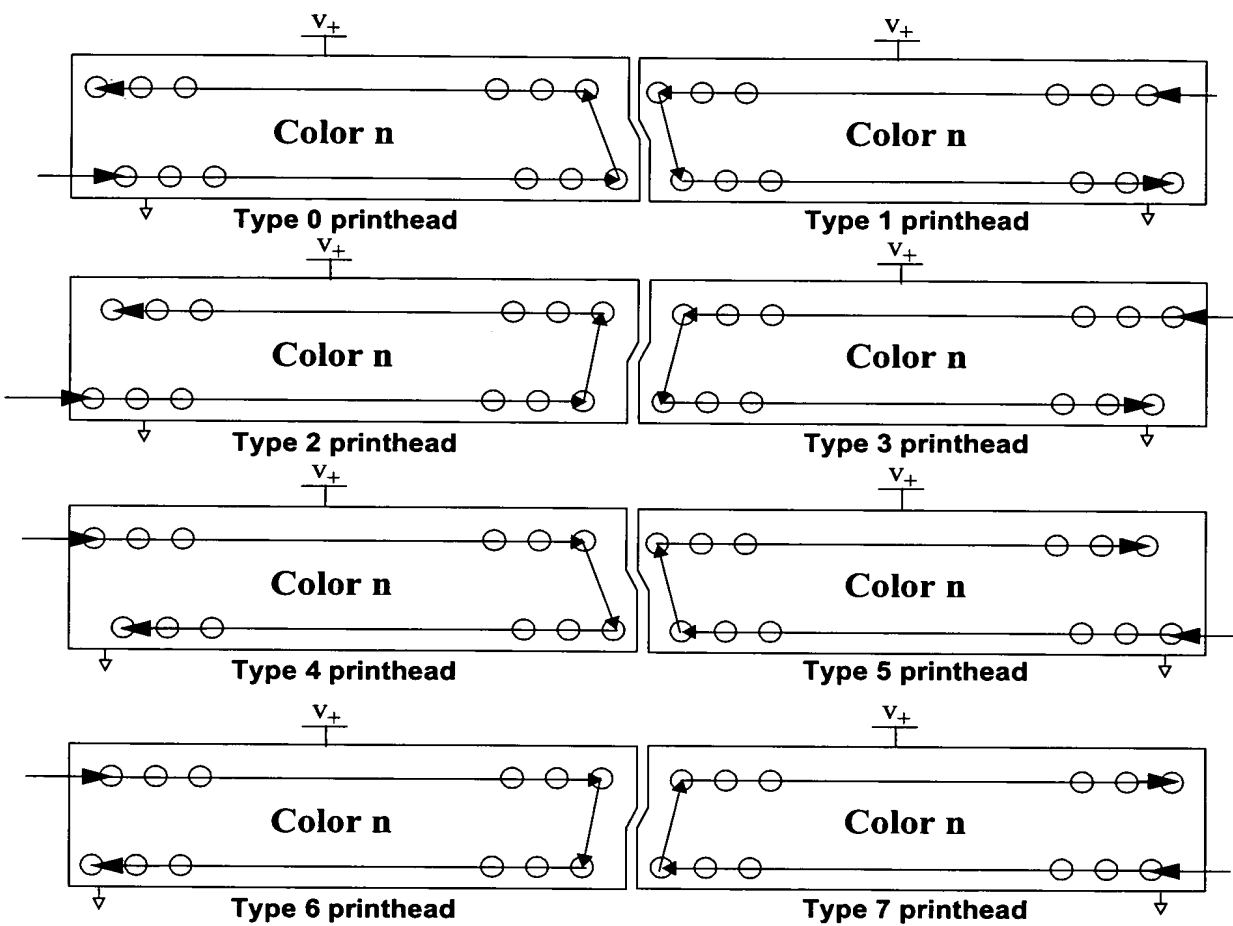


FIG. 295

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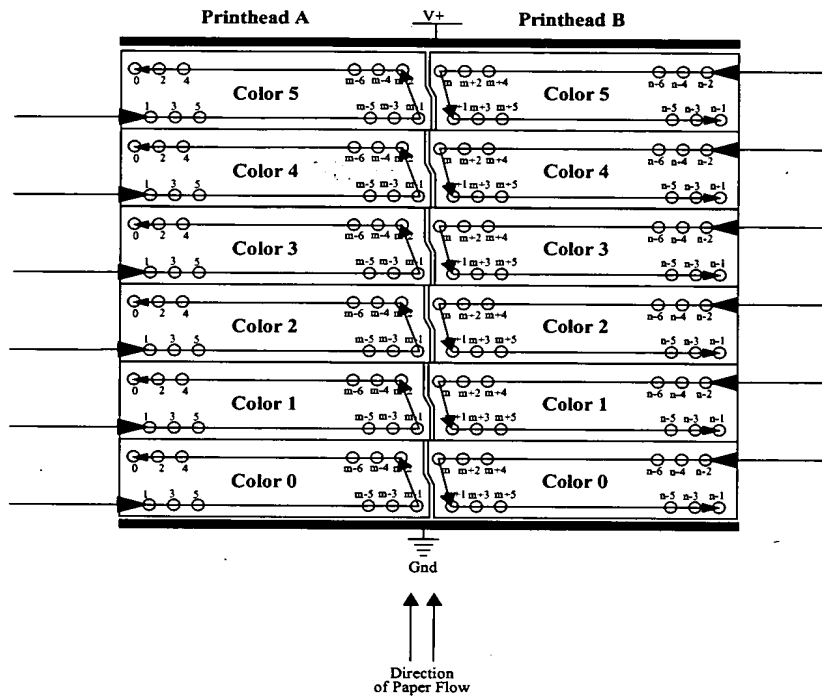


FIG. 296

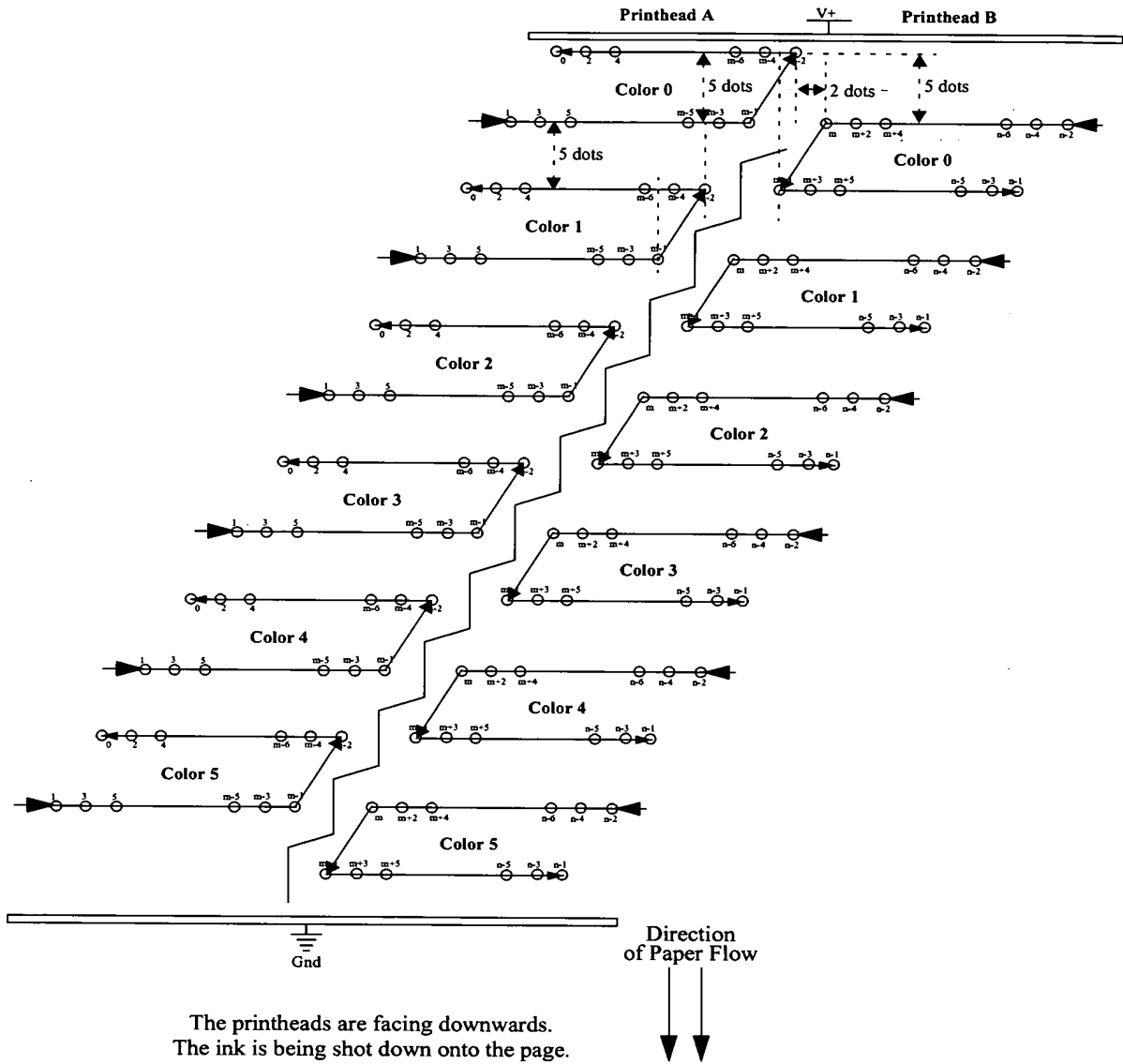


FIG. 297

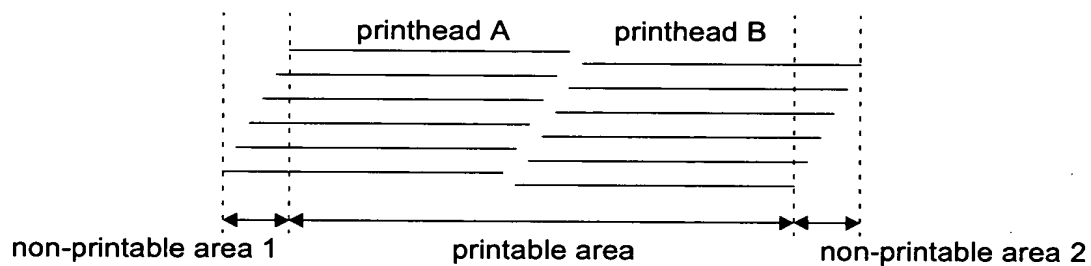


FIG. 298

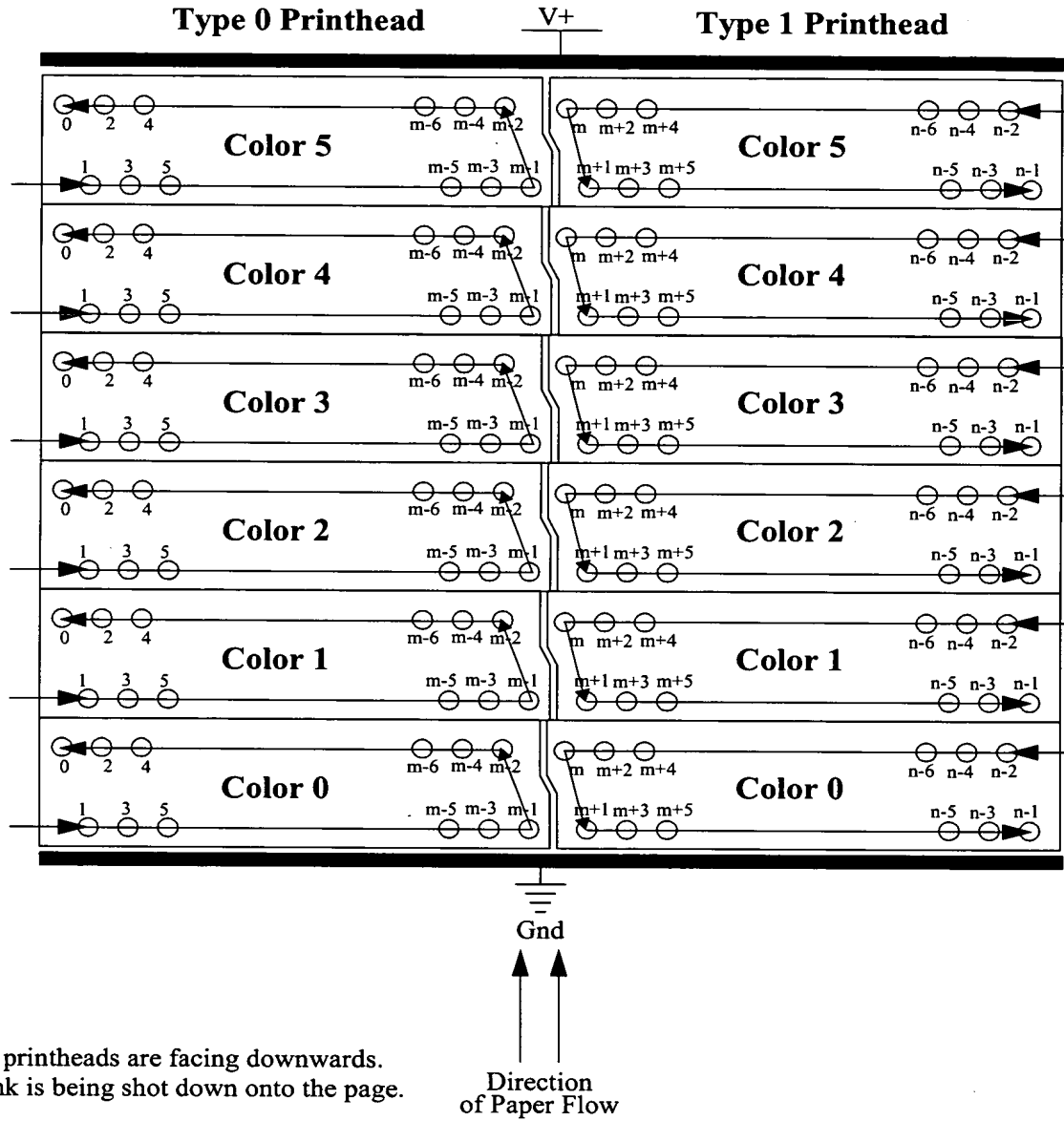


FIG. 299

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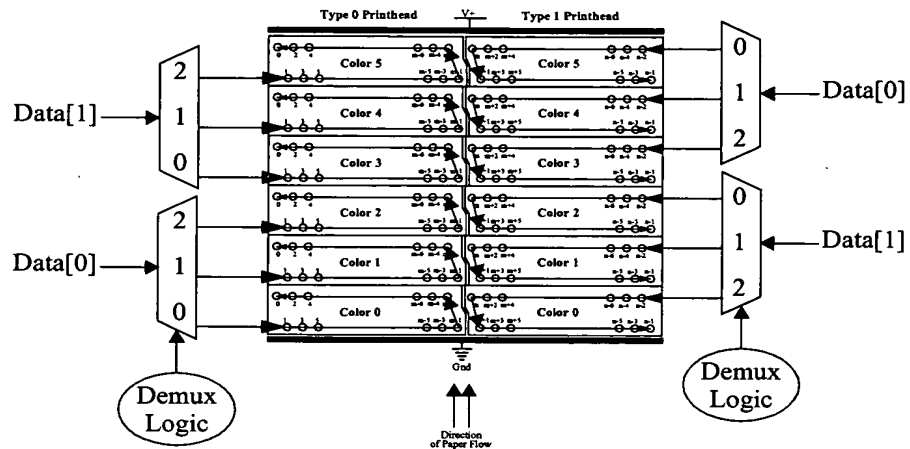


FIG. 300

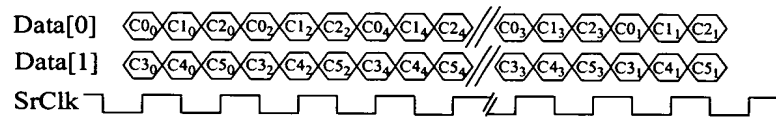


FIG. 301

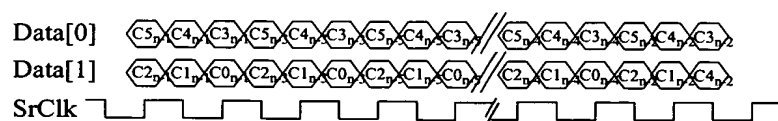


FIG. 302

The printheads are facing downwards.
The ink is being shot down onto the page.

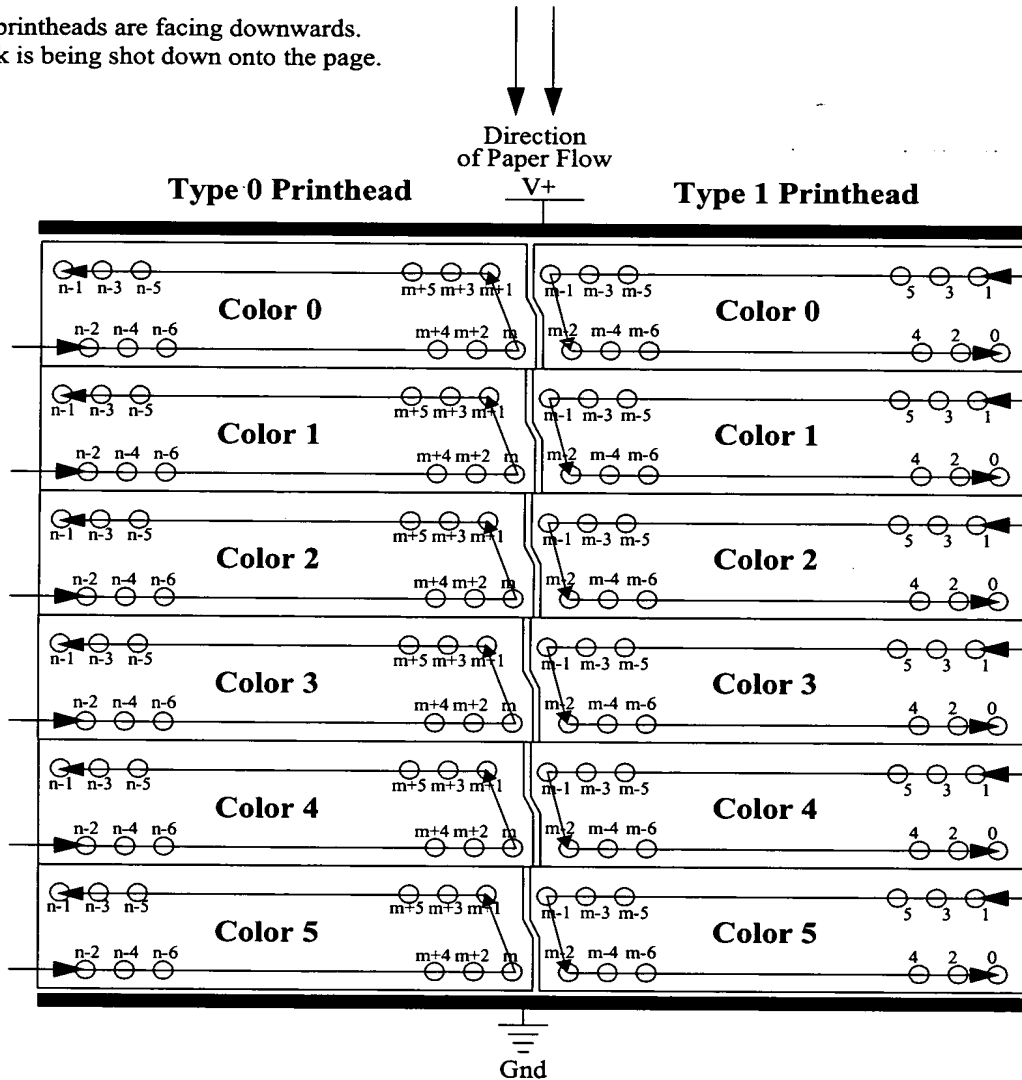


FIG. 303

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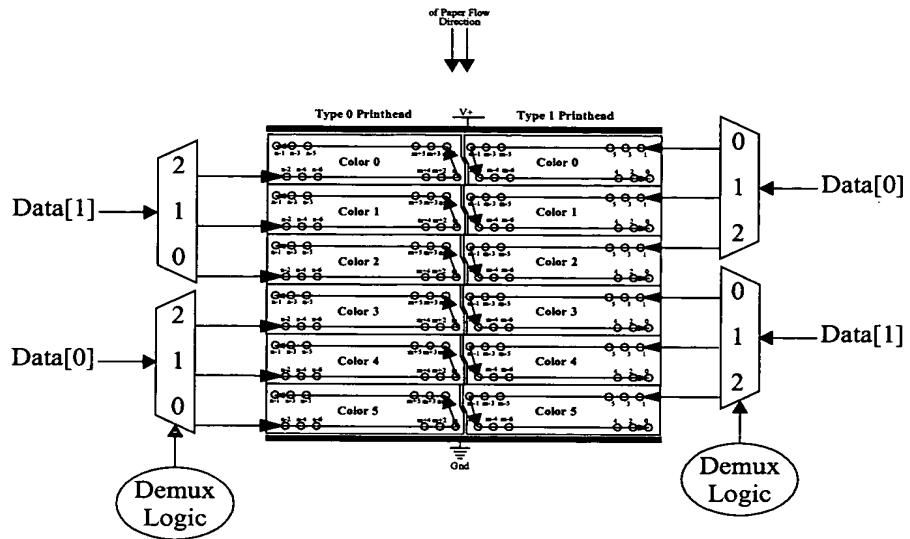


FIG. 304

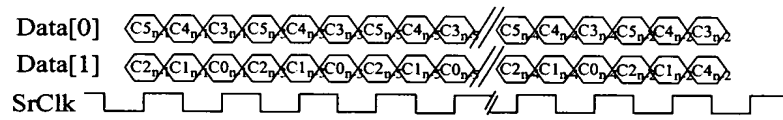


FIG. 305

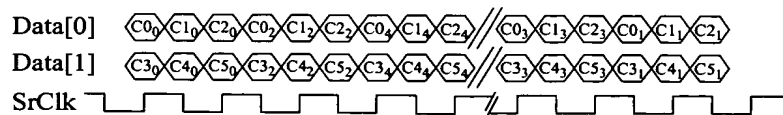


FIG. 306

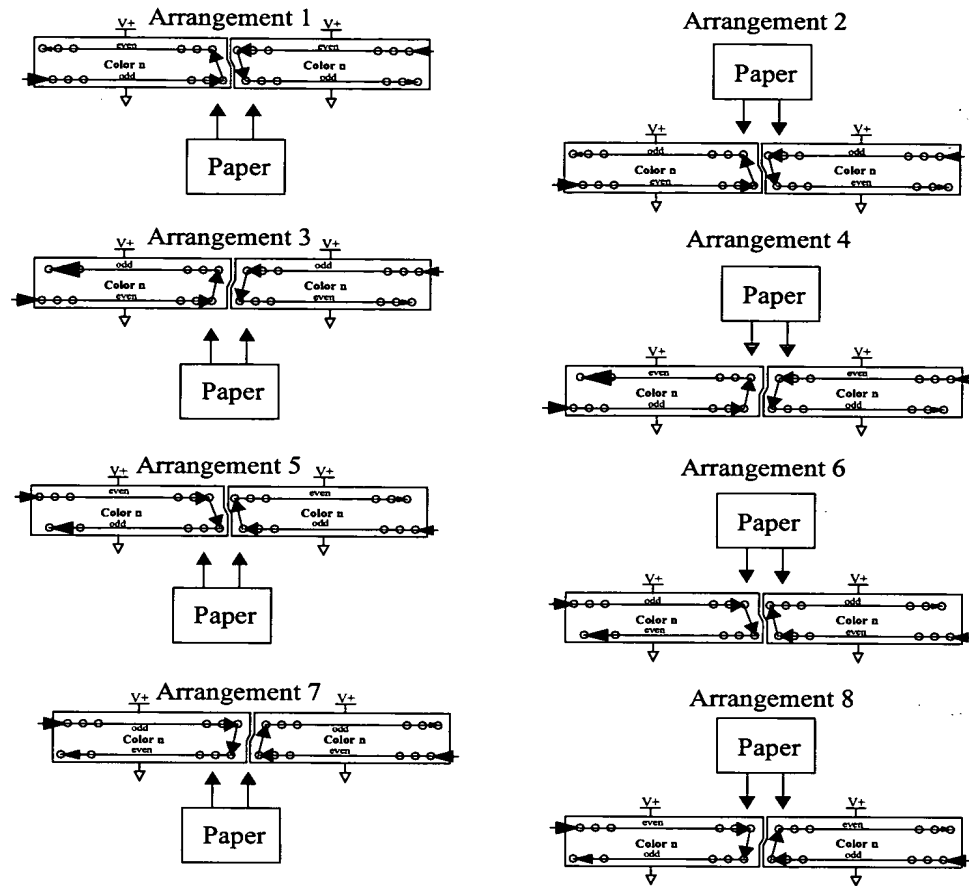


FIG. 307

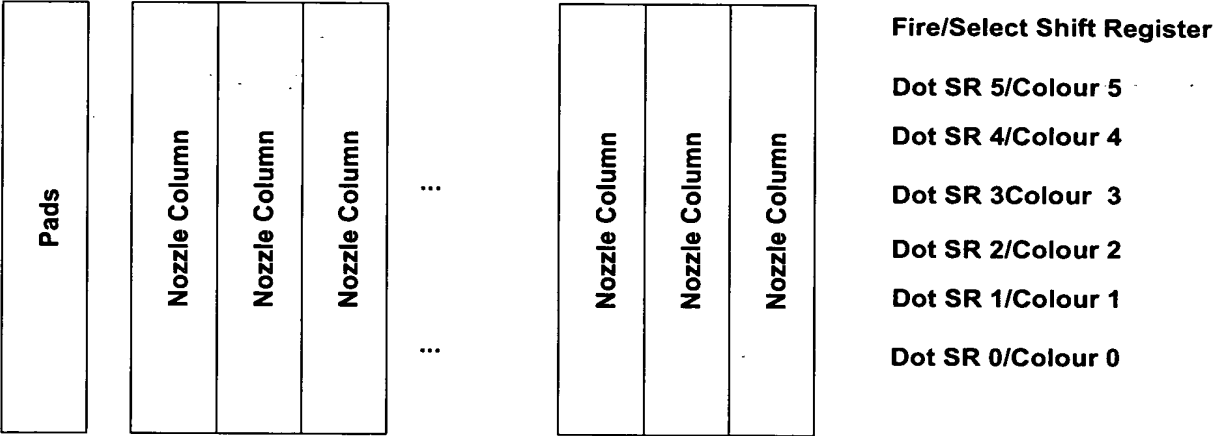


FIG. 308

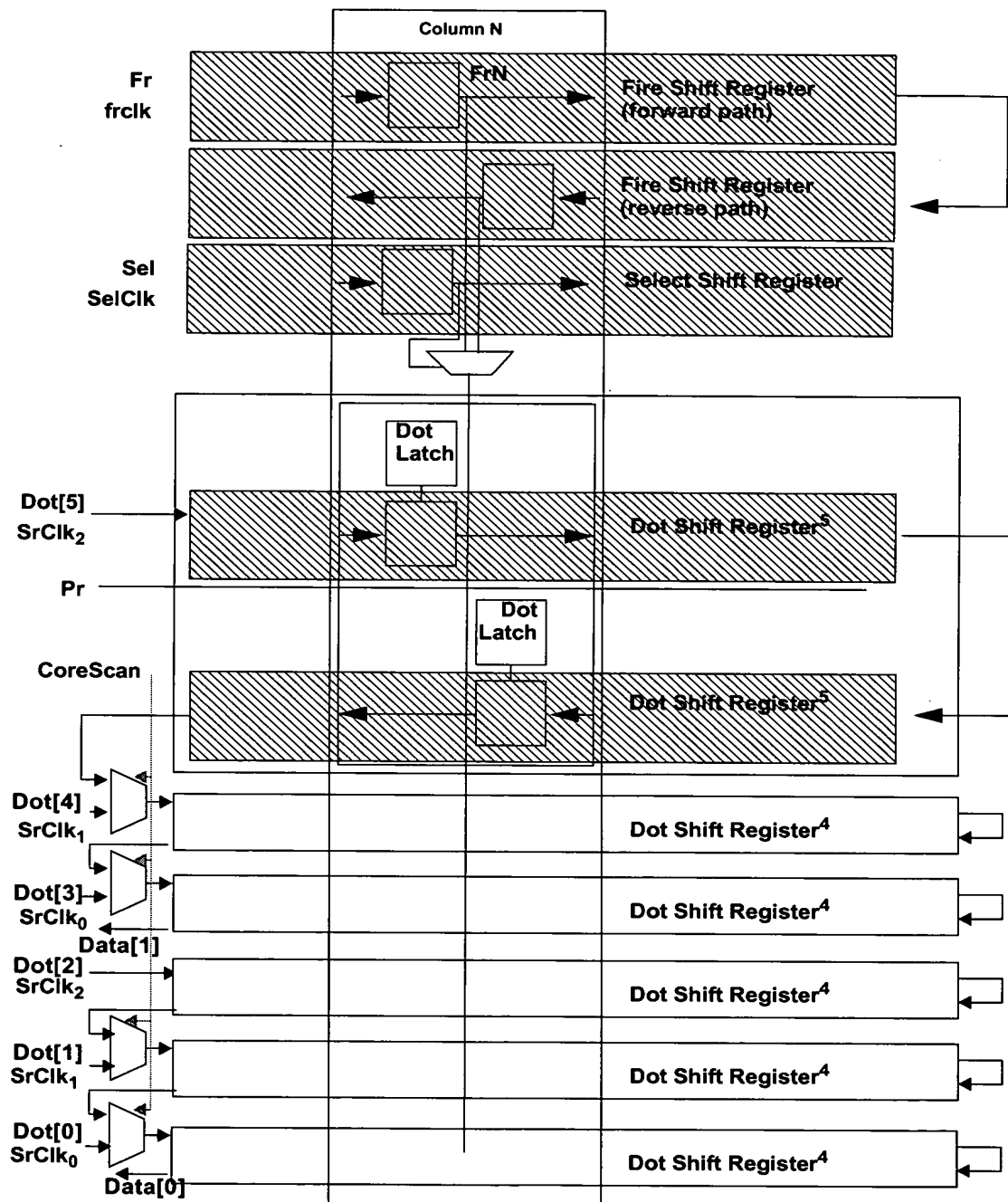


FIG. 309

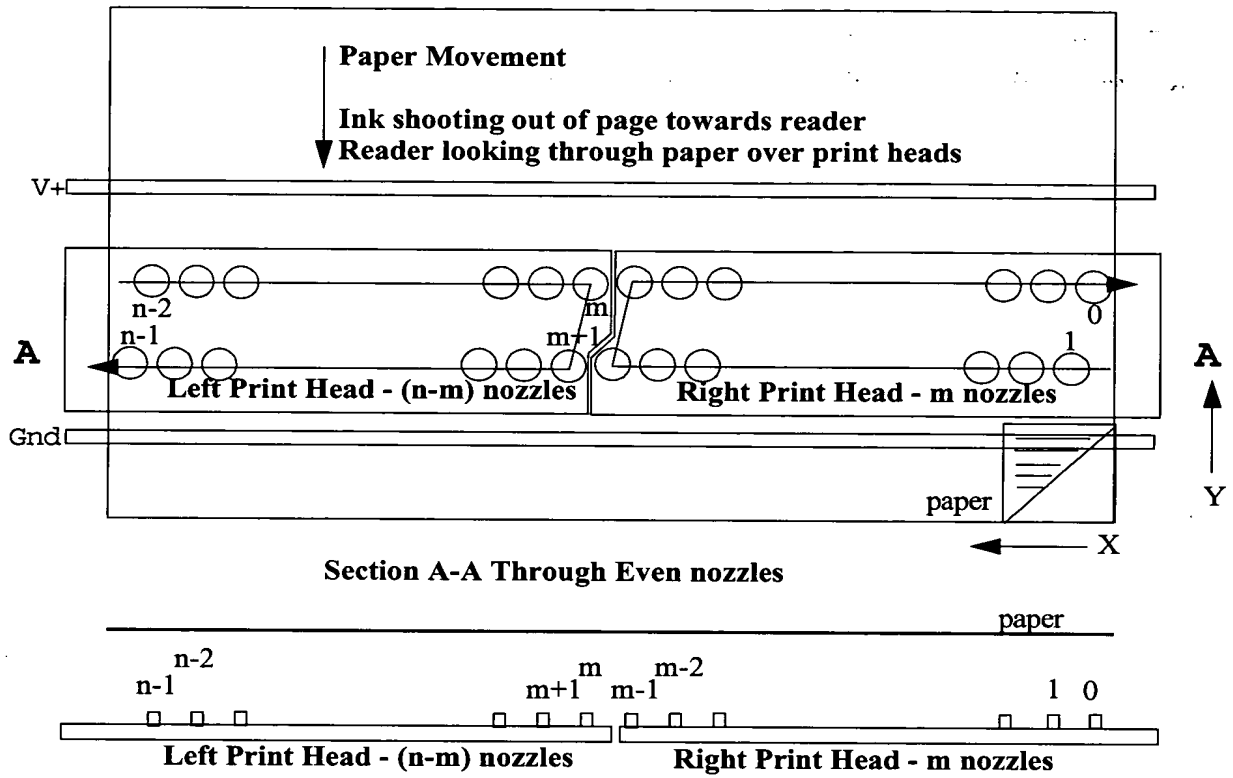


FIG. 310

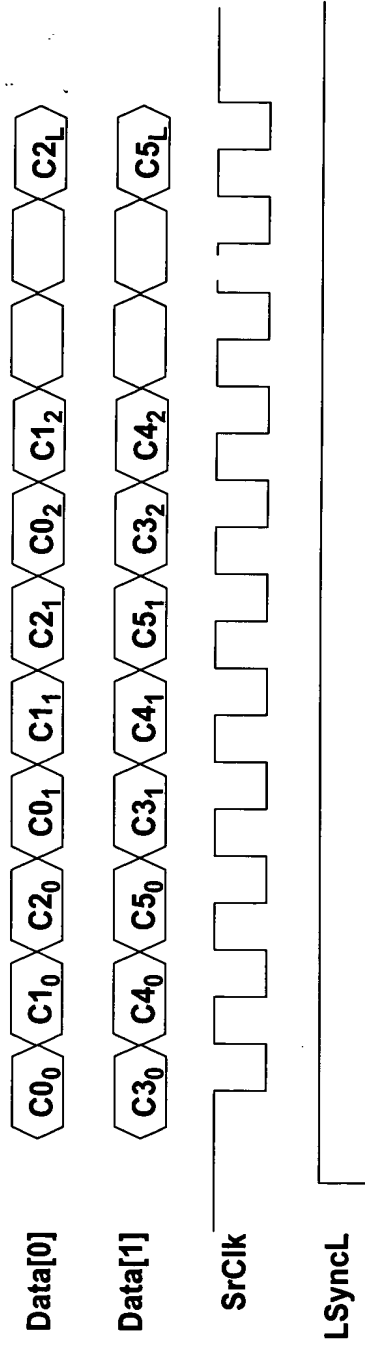
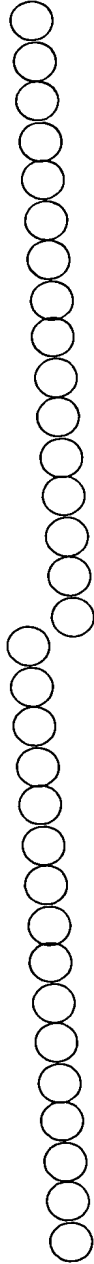
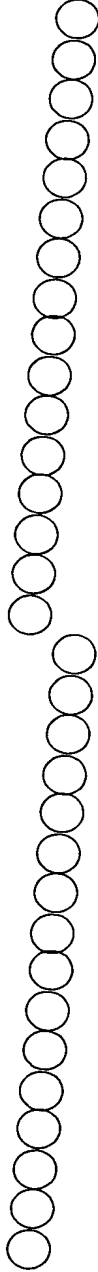


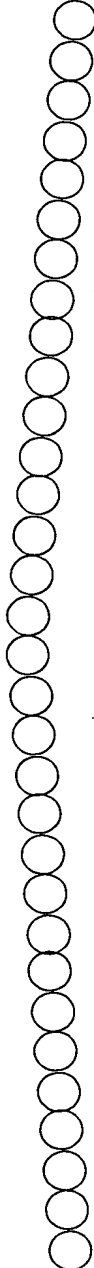
FIG. 311



a) Printing every n^{th} dot with all zero's in the fire select shift register



b) Printing every n^{th} dot with all one's in the fire select shift register



c) Printing every n^{th} dot with n zero's then n one's in the fire select shift registers

FIG. 312

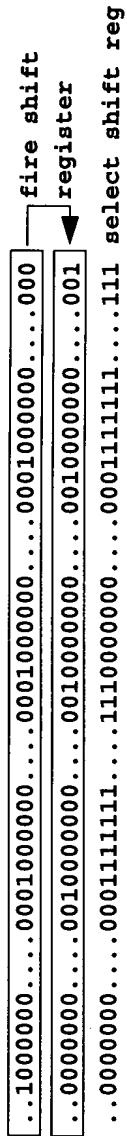


FIG. 313

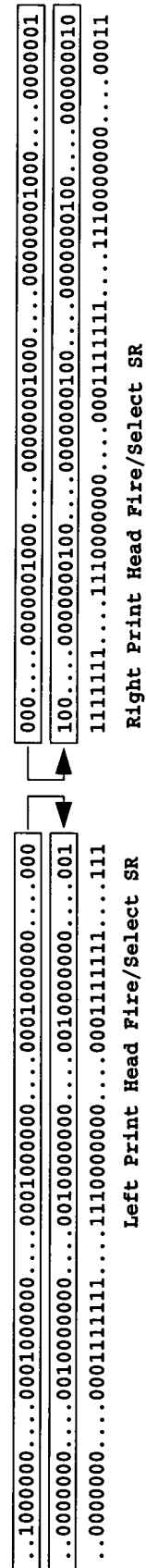


FIG. 314

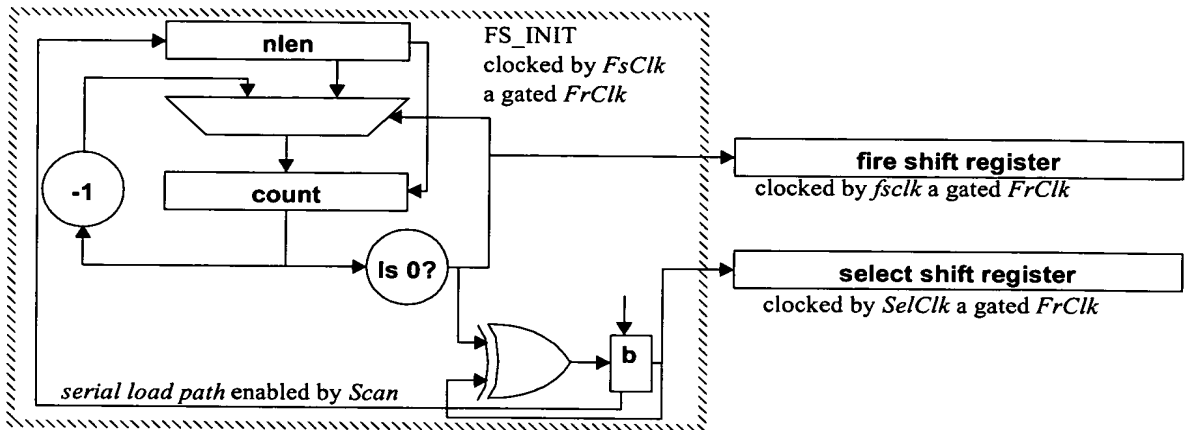


FIG. 315

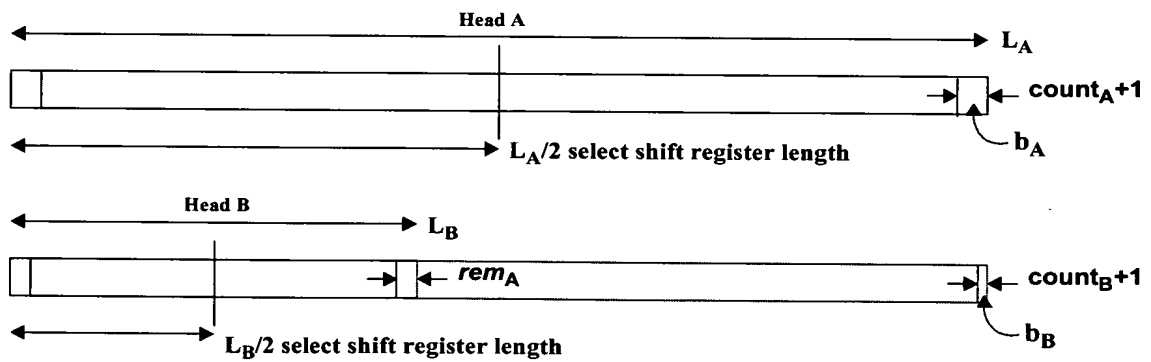


FIG. 316

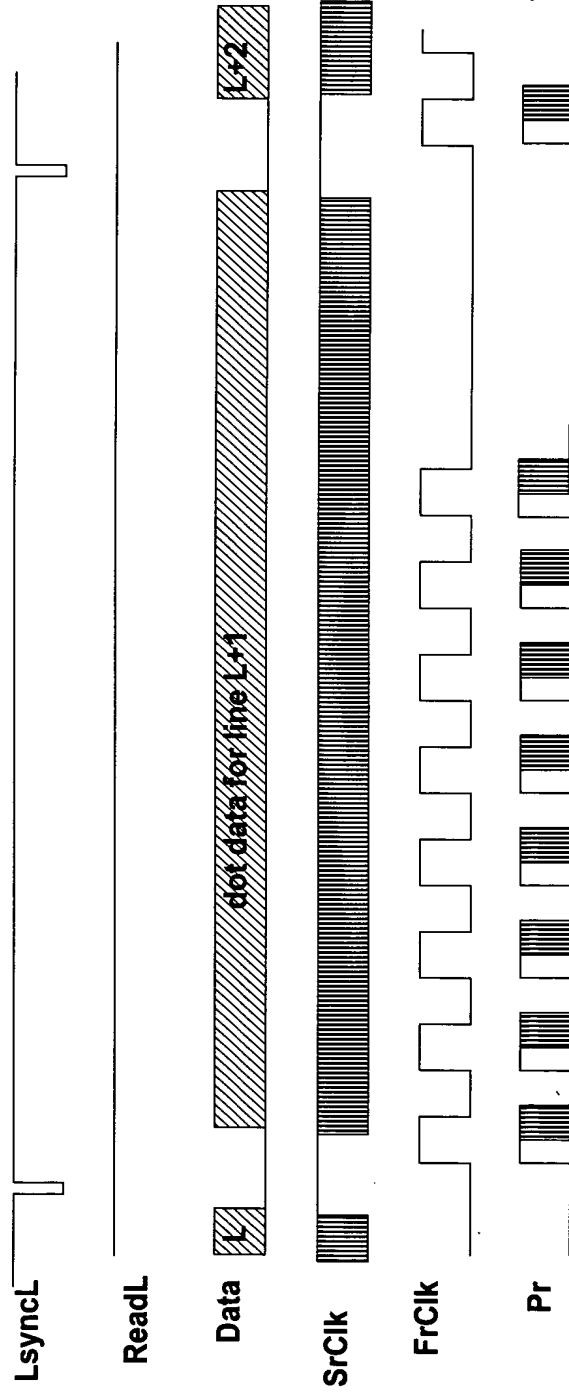


FIG. 317

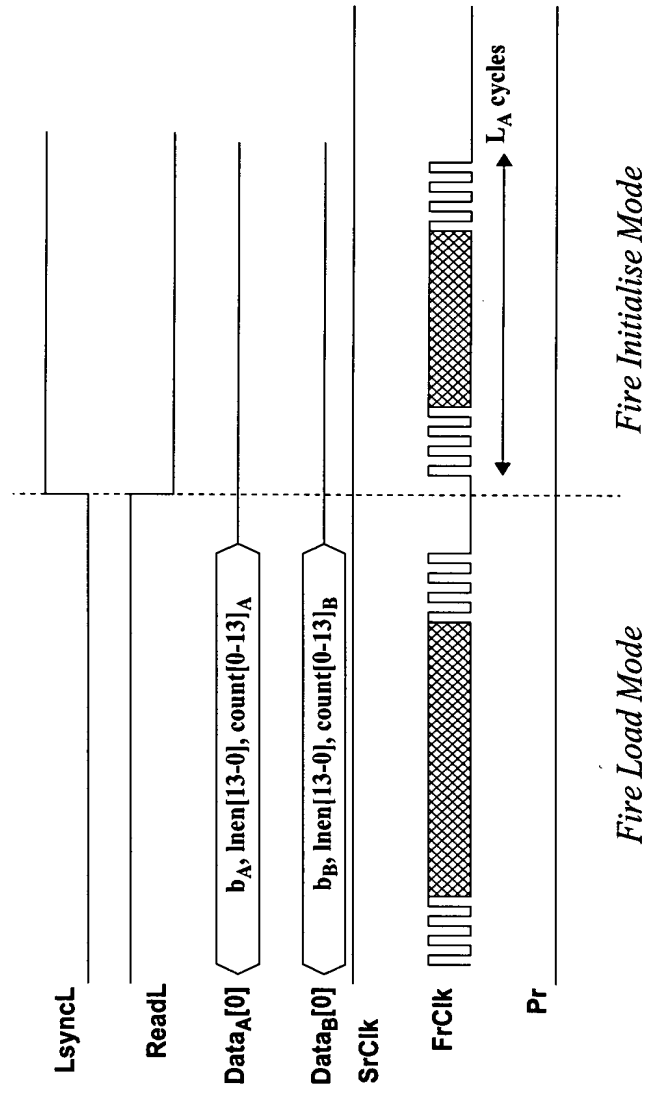
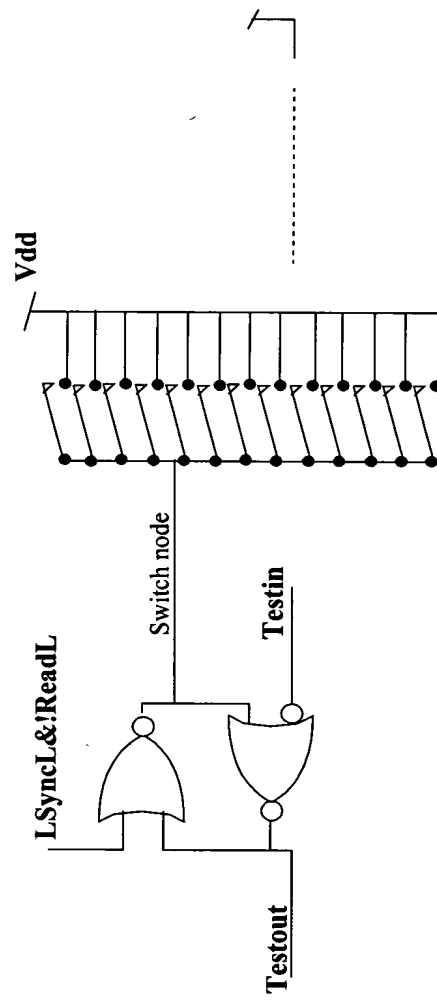


FIG. 318

*FIG. 319*

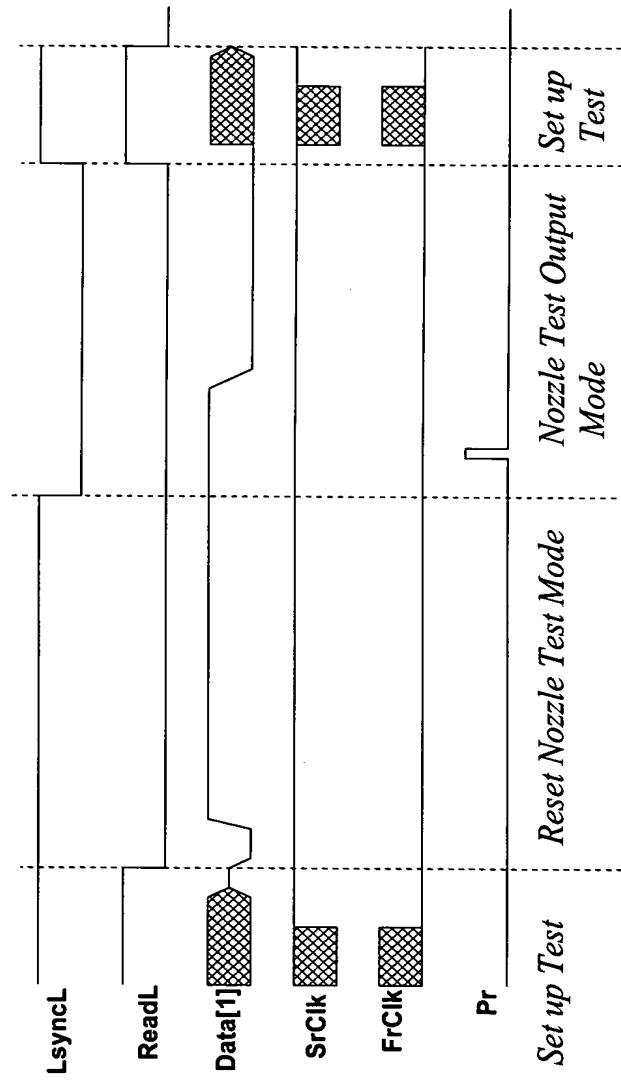


FIG. 320

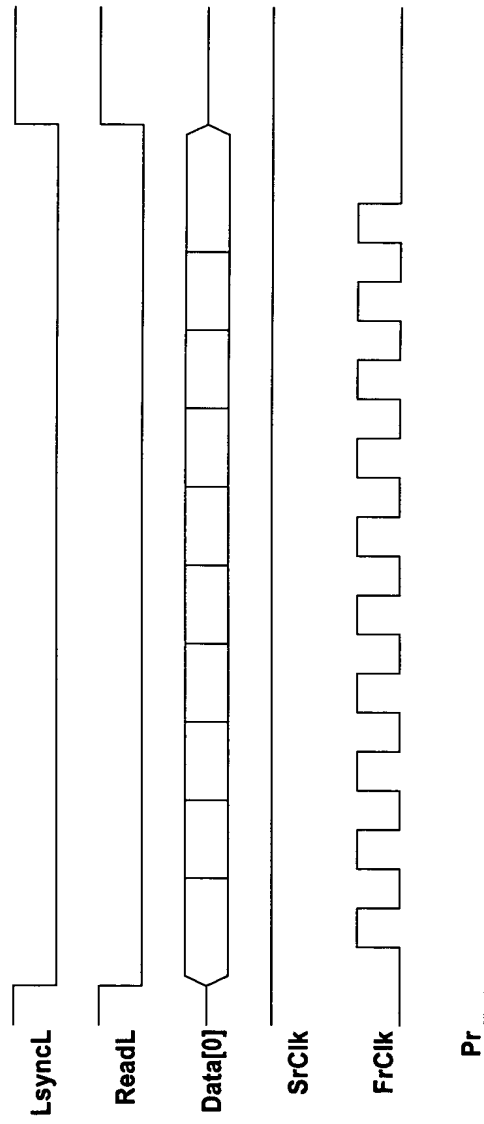


FIG. 321

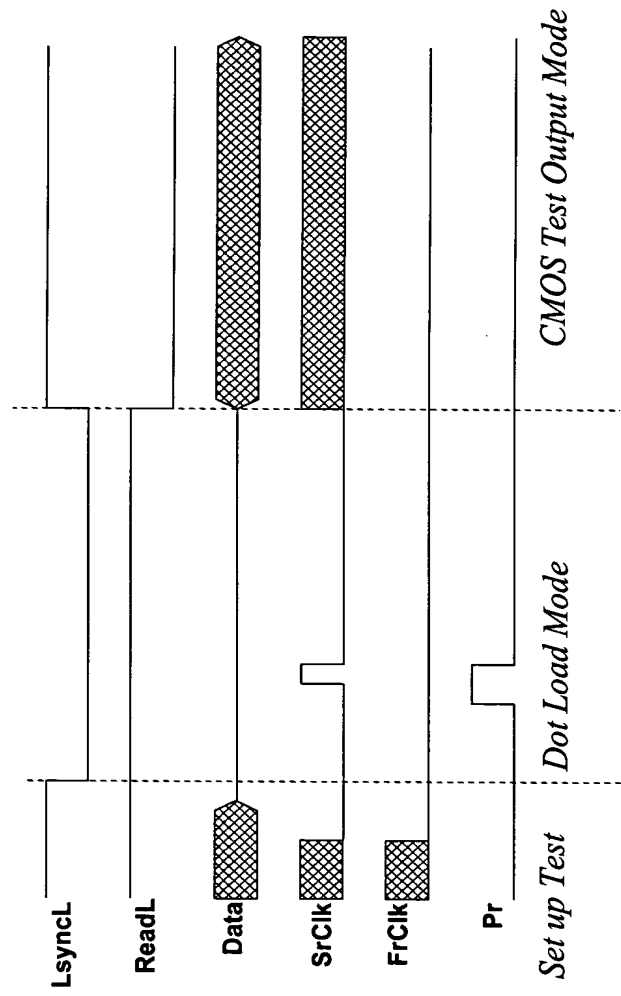


FIG. 322

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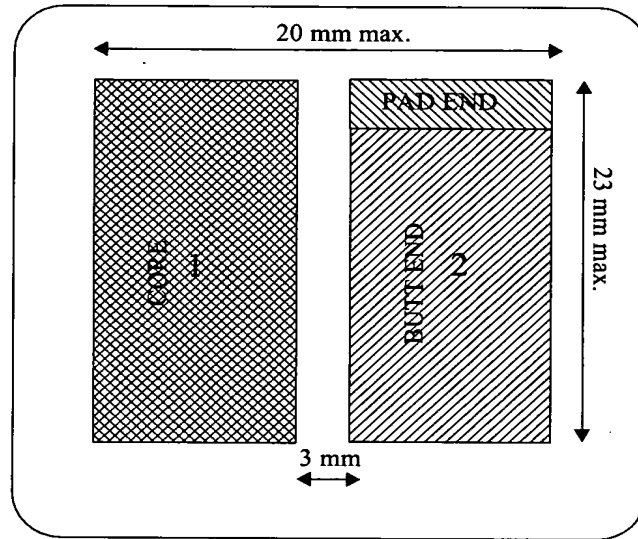


FIG. 323

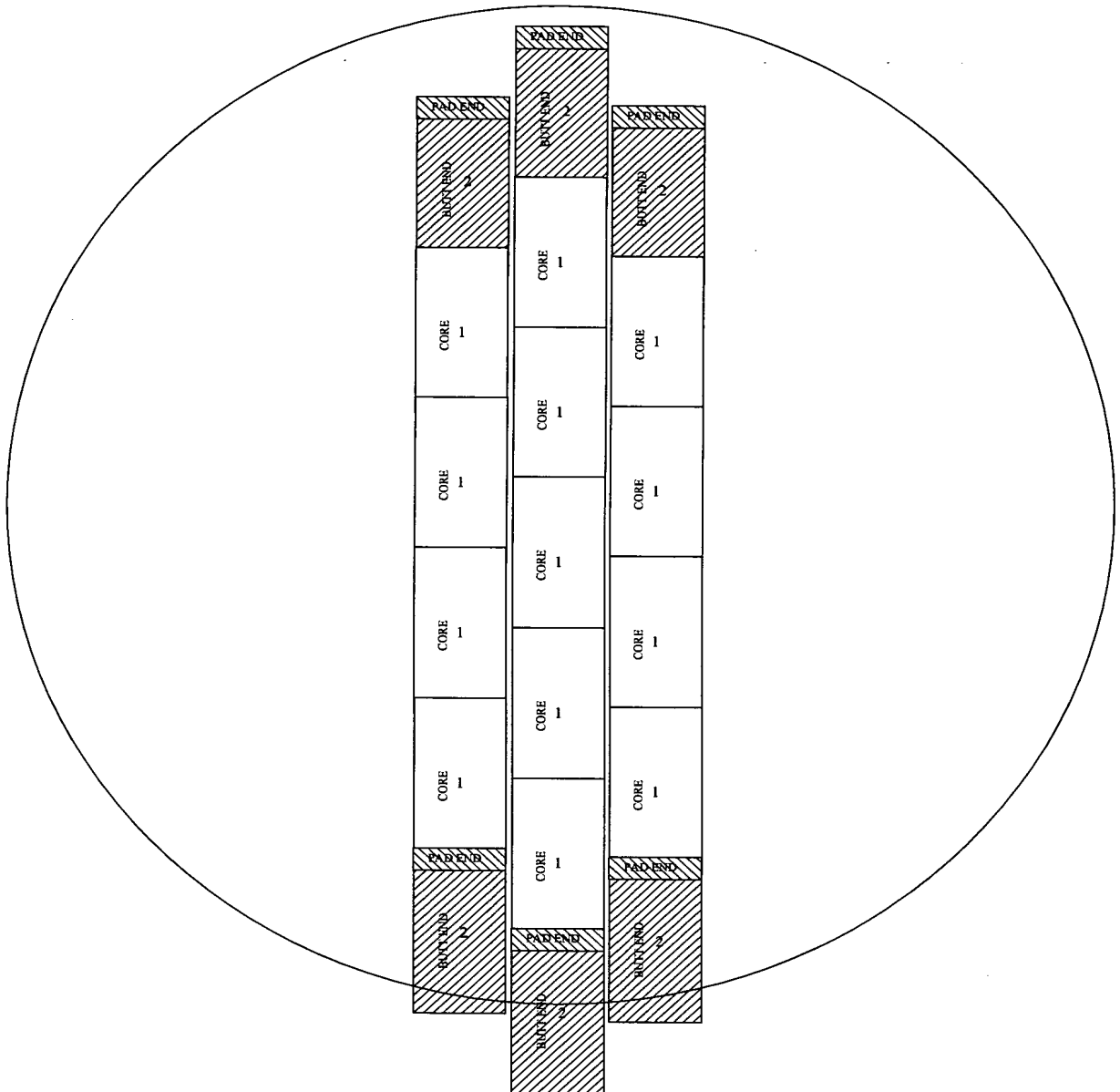


FIG. 324

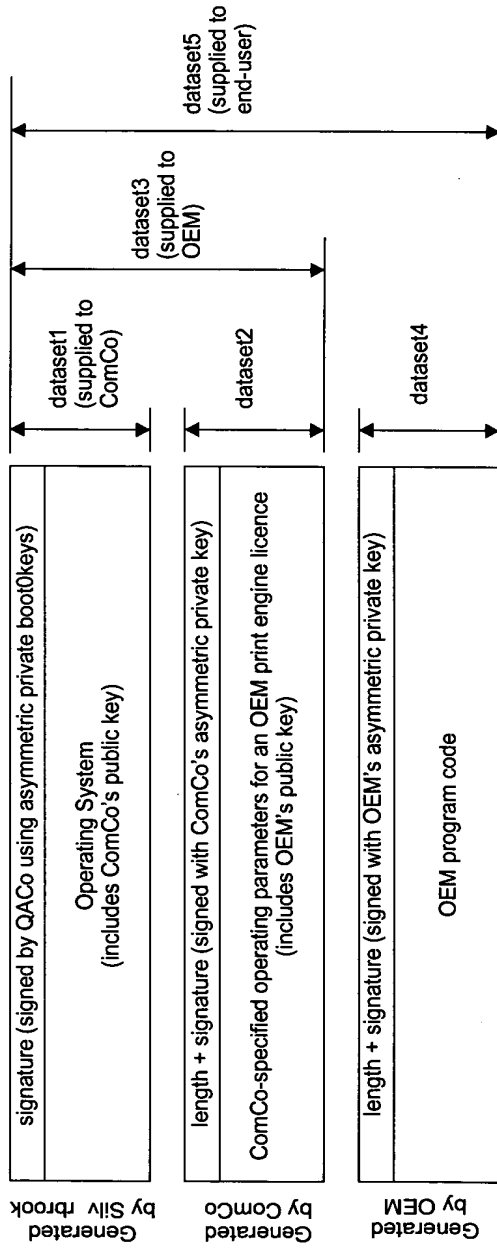


FIG. 325

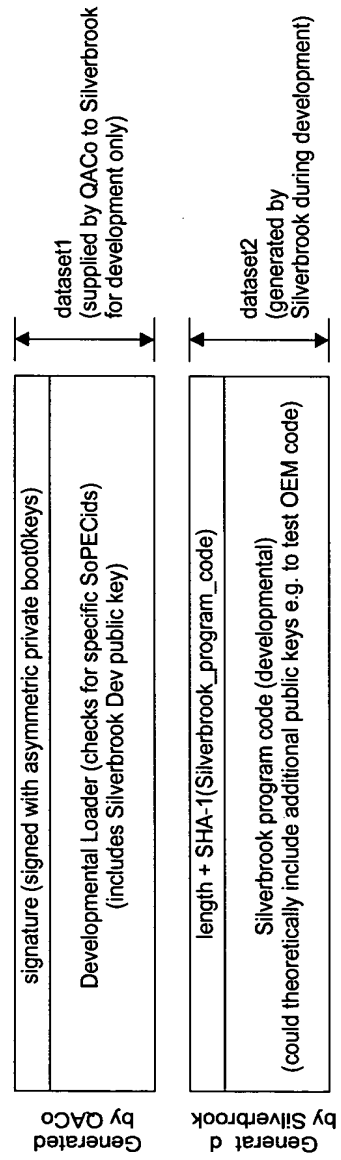


FIG. 327

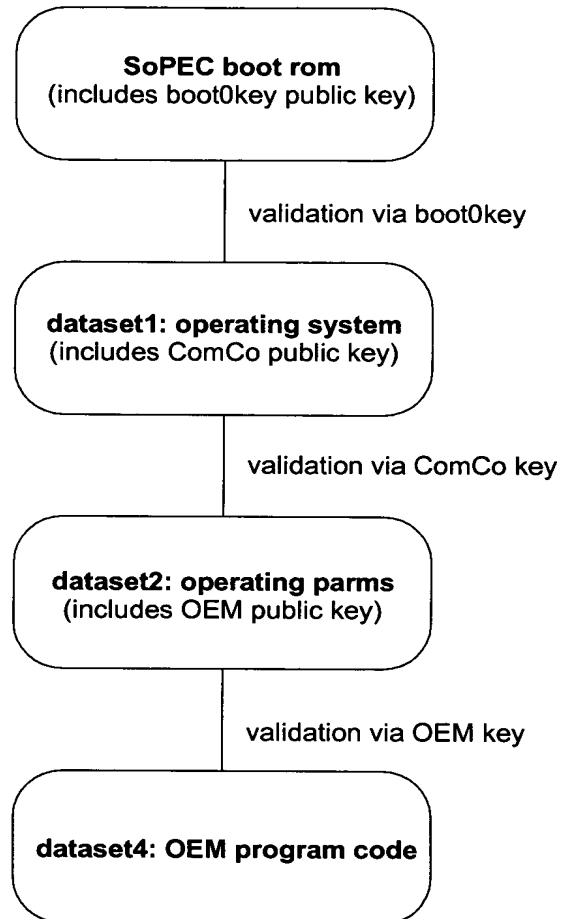


FIG. 326

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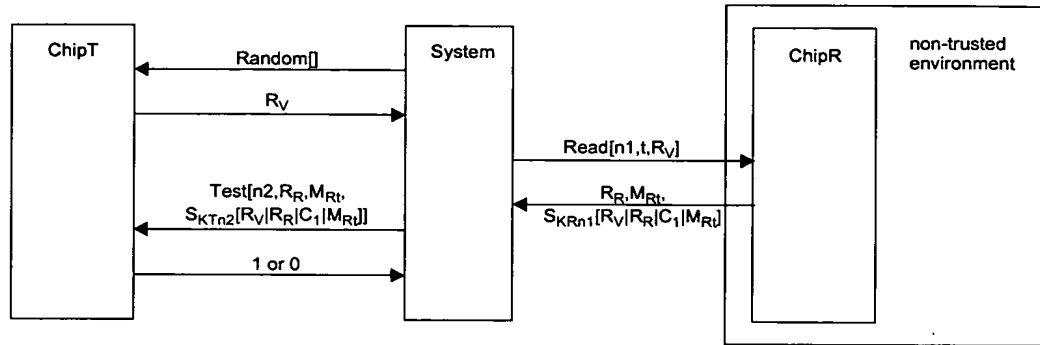


FIG. 328

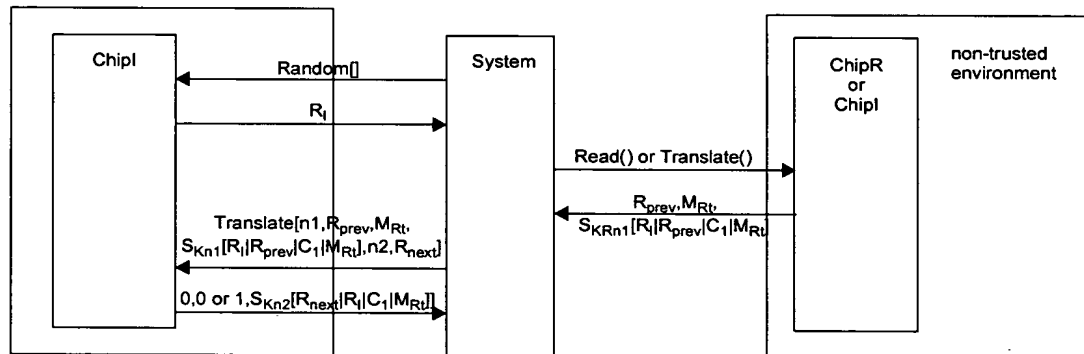


FIG. 329

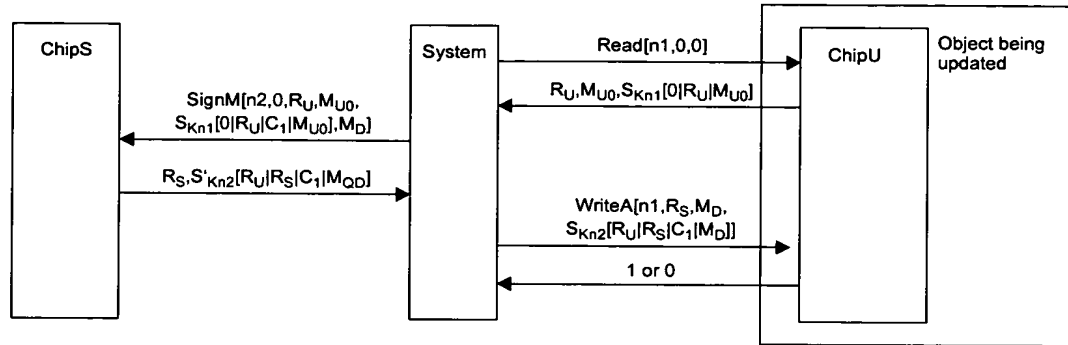


FIG. 330

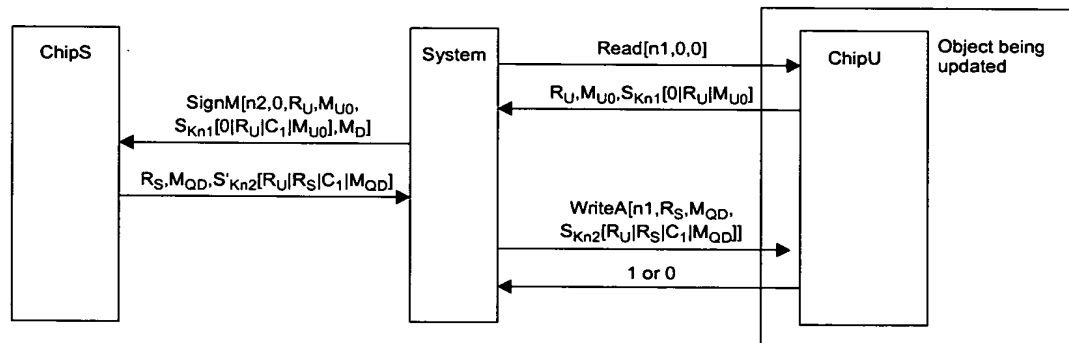


FIG. 331

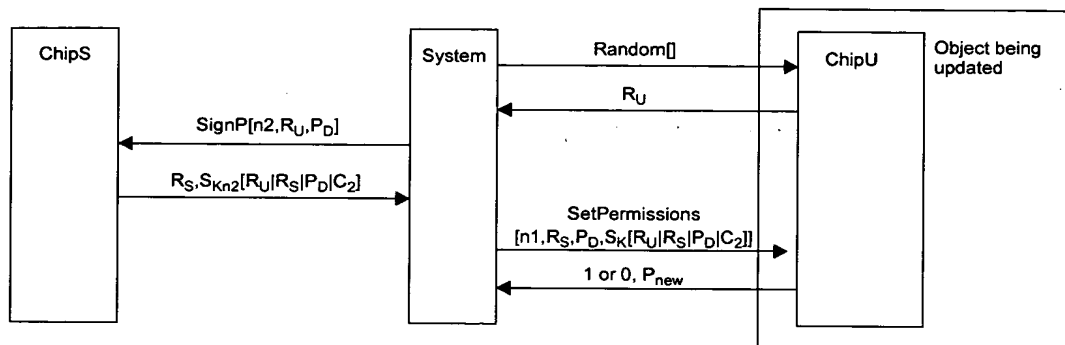


FIG. 332

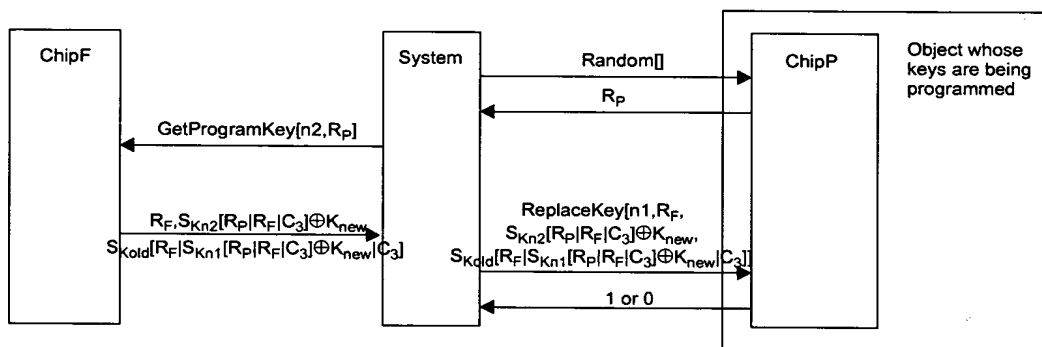


FIG. 333

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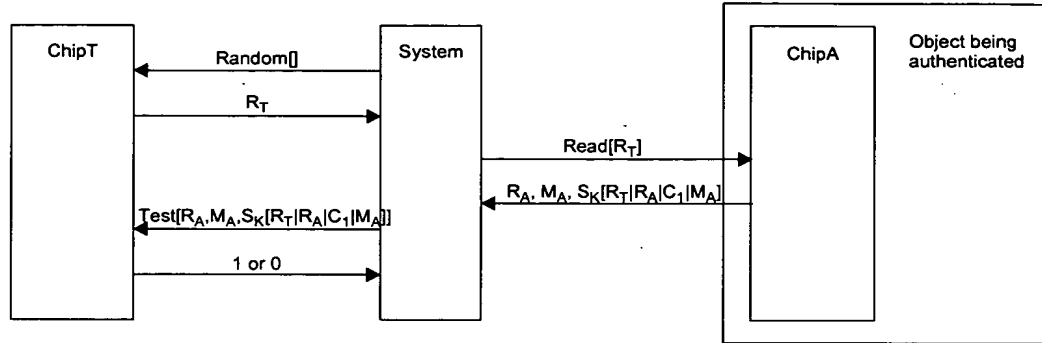


FIG. 334

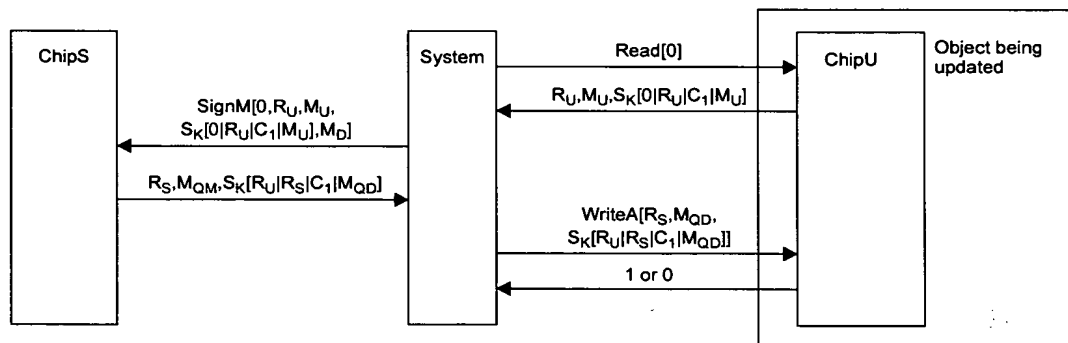


FIG. 335

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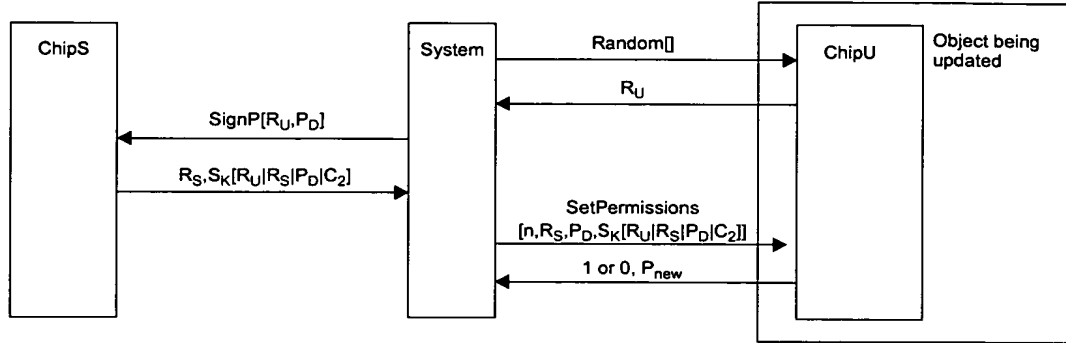


FIG. 336

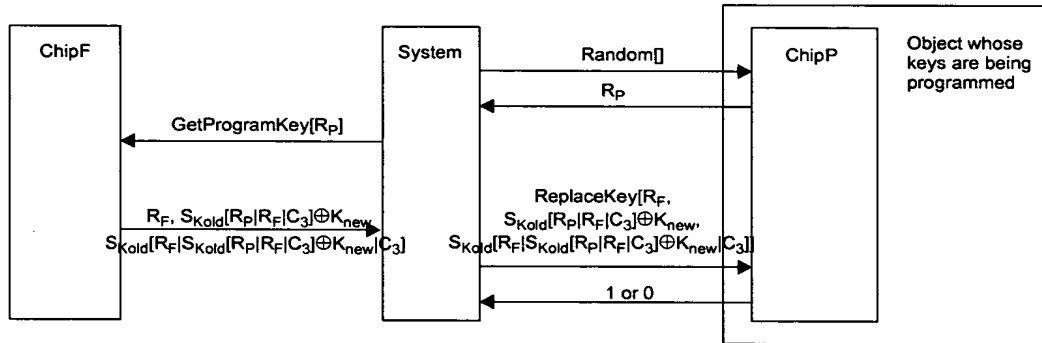


FIG. 337

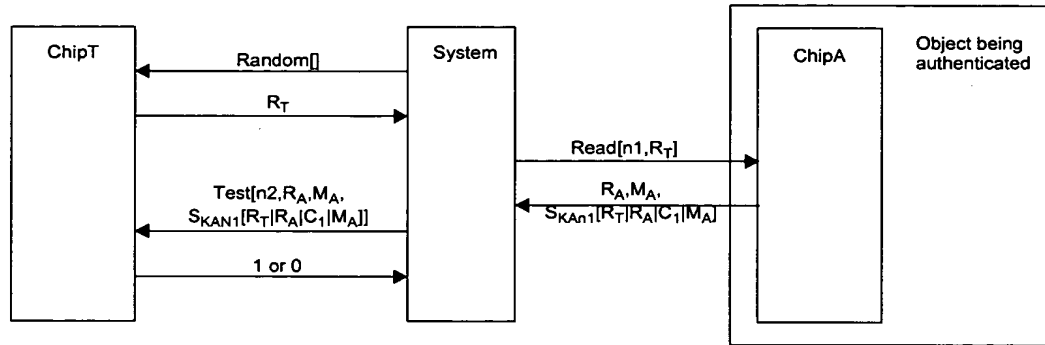


FIG. 338

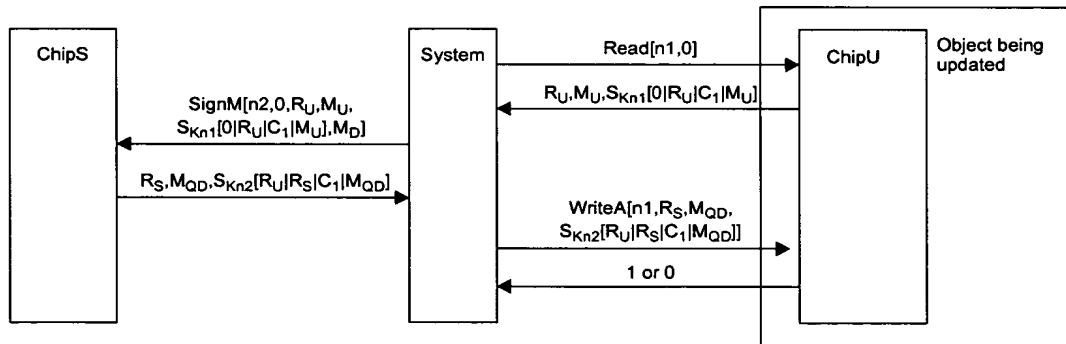


FIG. 339

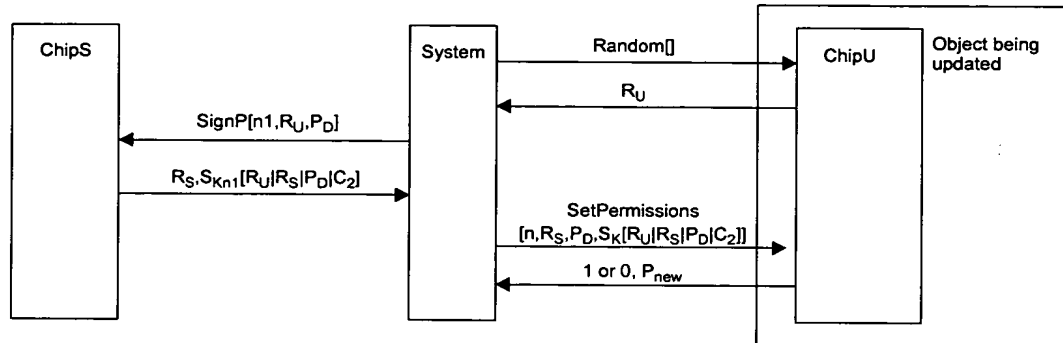


FIG. 340

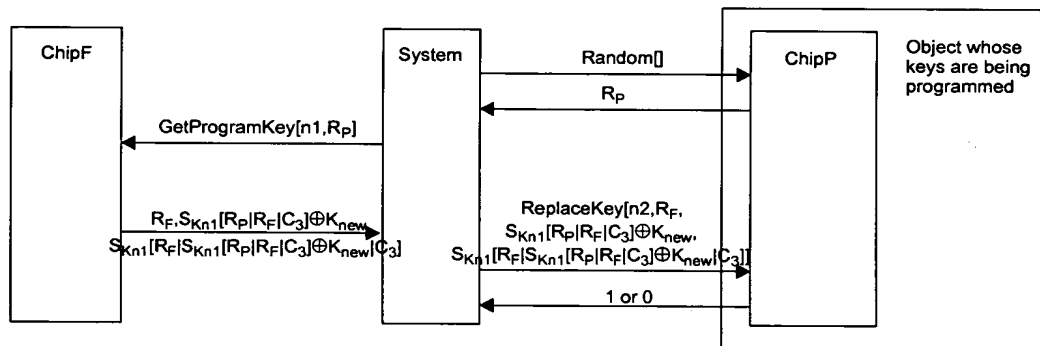


FIG. 341

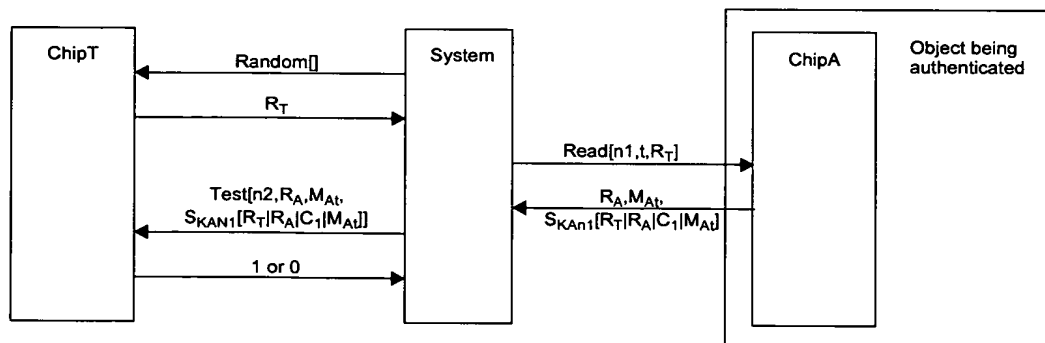


FIG. 342

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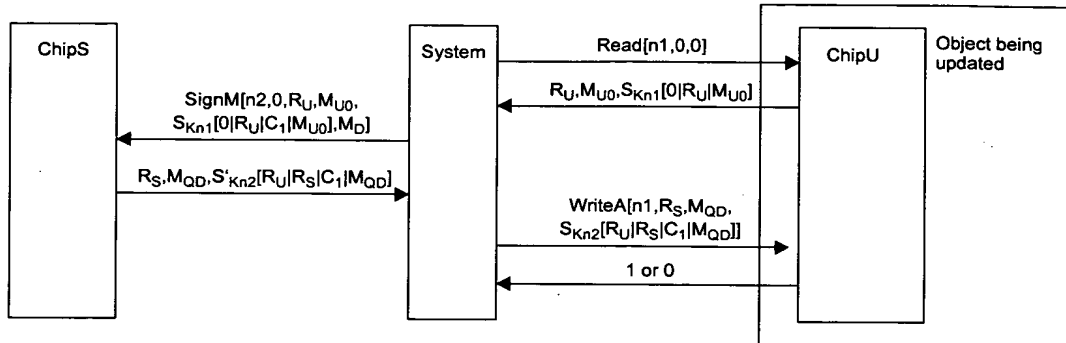


FIG. 343

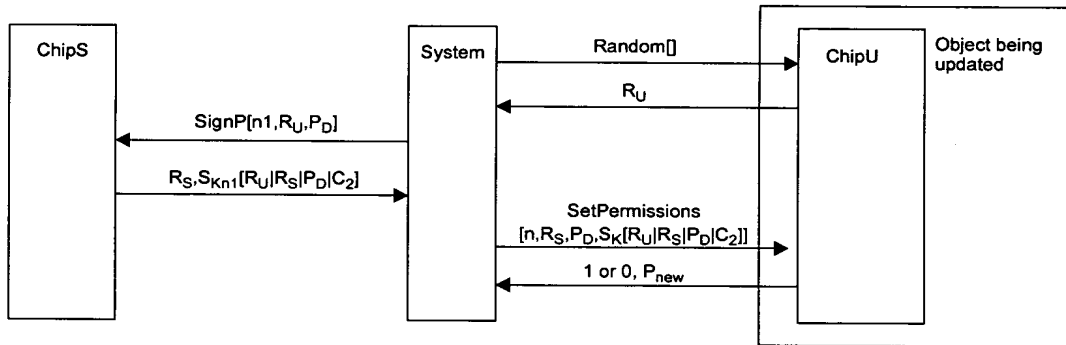


FIG. 344

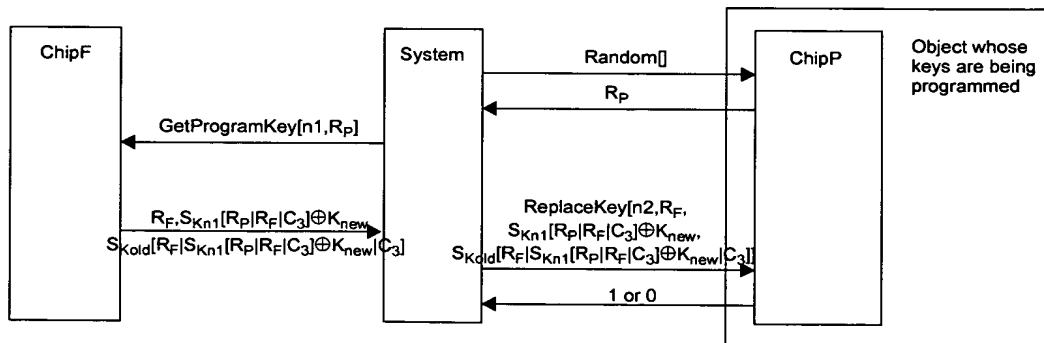


FIG. 345

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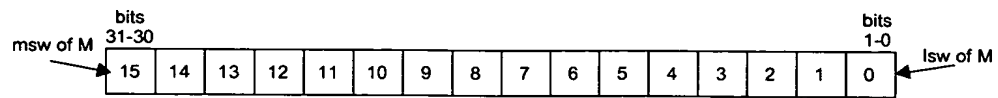


FIG. 346

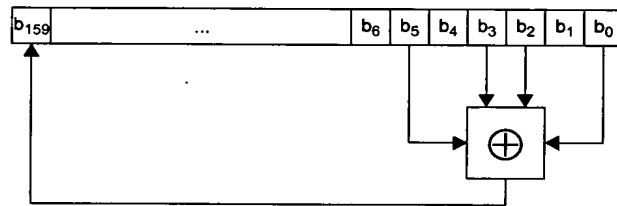


FIG. 347

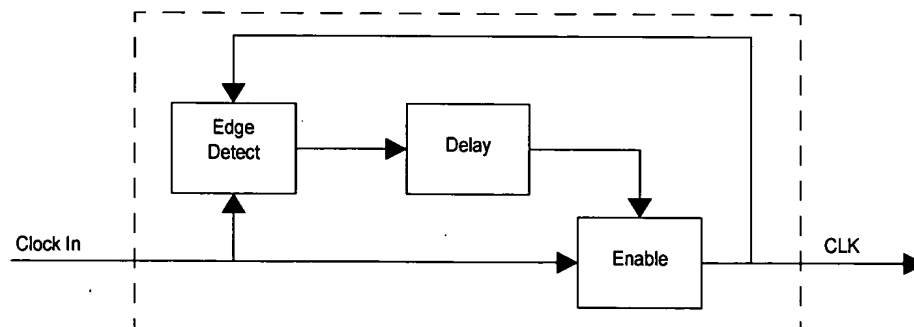


FIG. 348

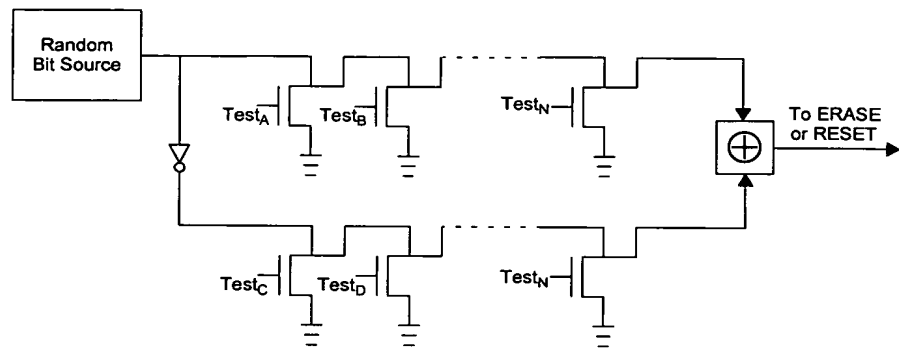


FIG. 349

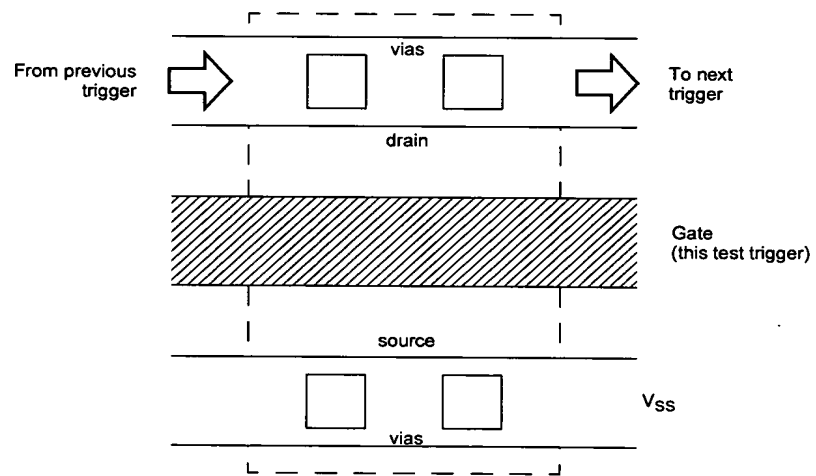


FIG. 350

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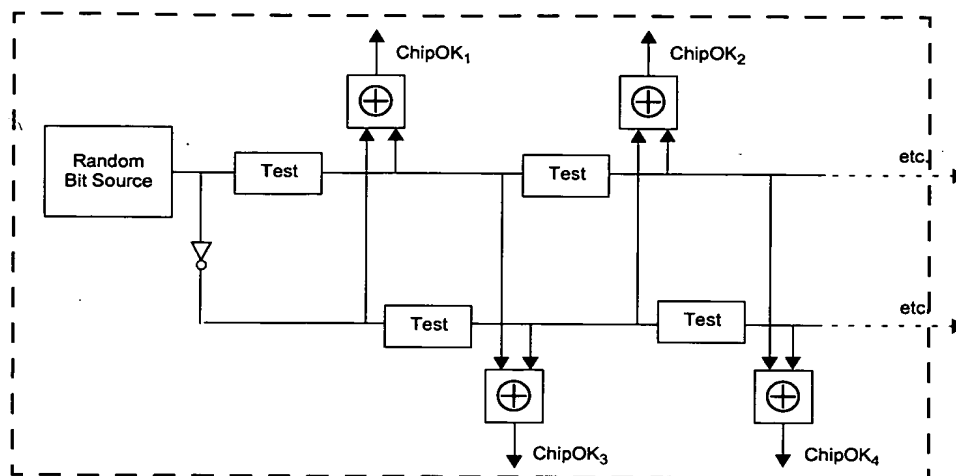


FIG. 351

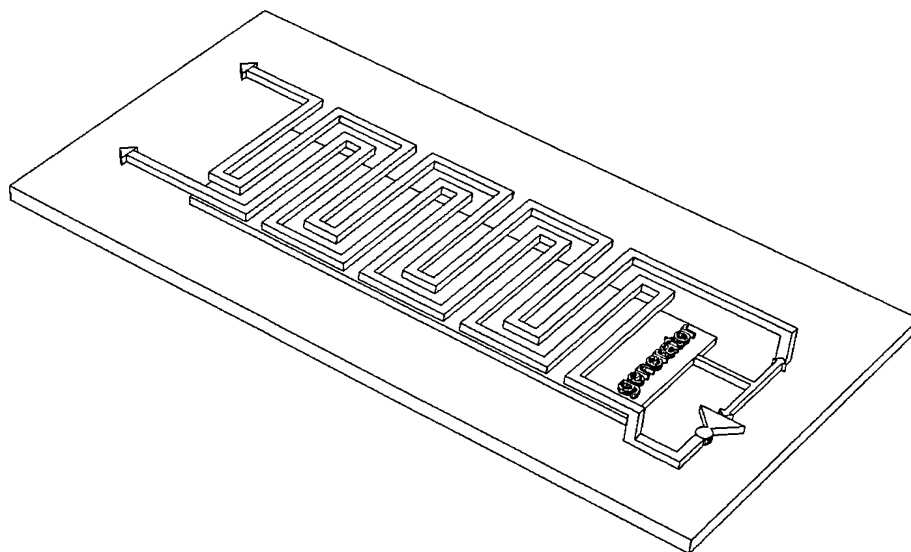


FIG. 352

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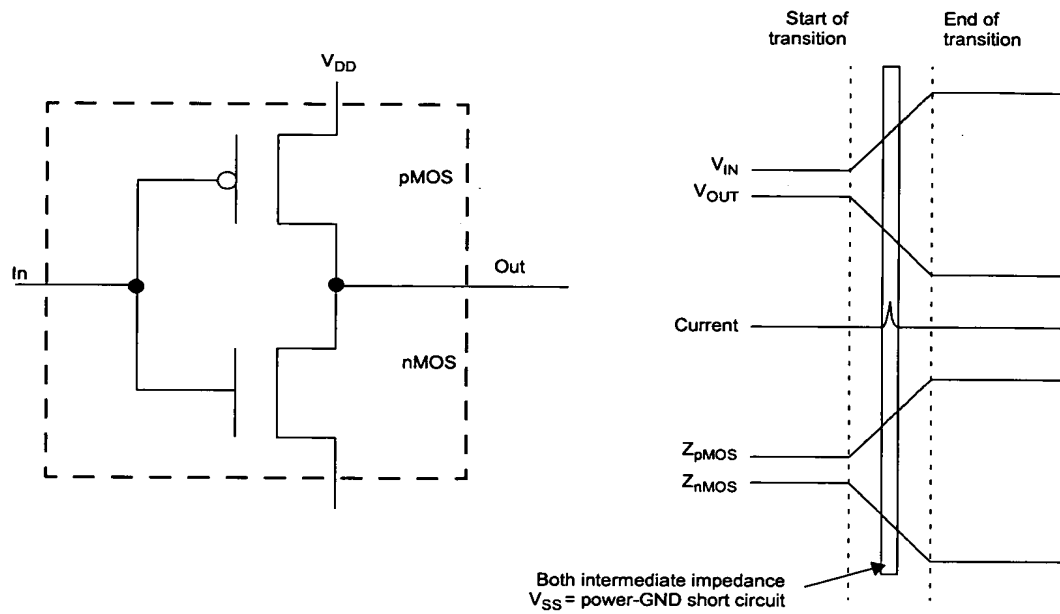


FIG. 353

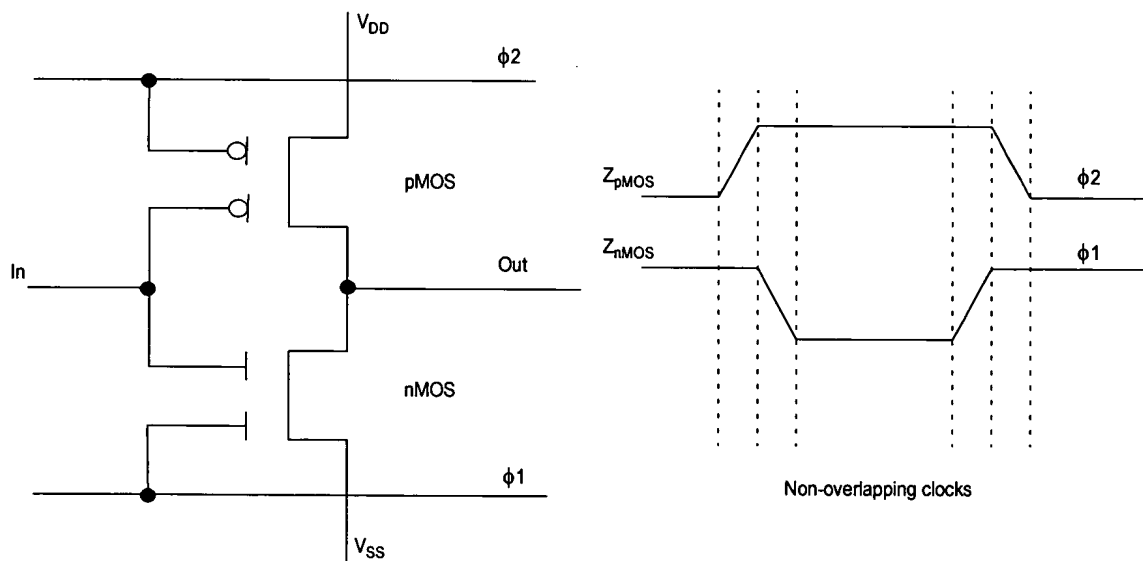


FIG. 354

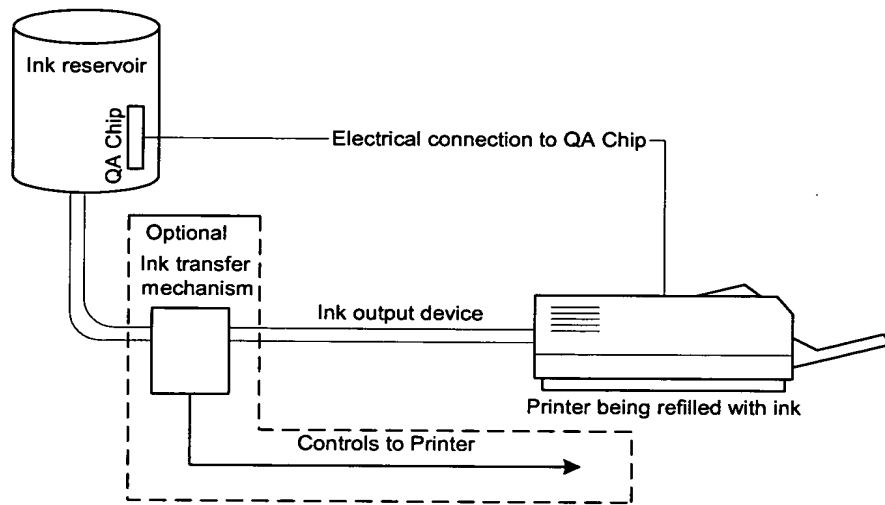


FIG. 355

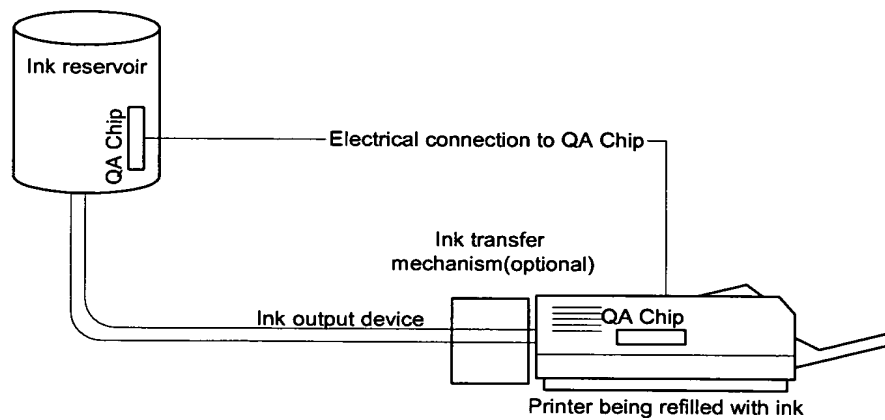


FIG. 356

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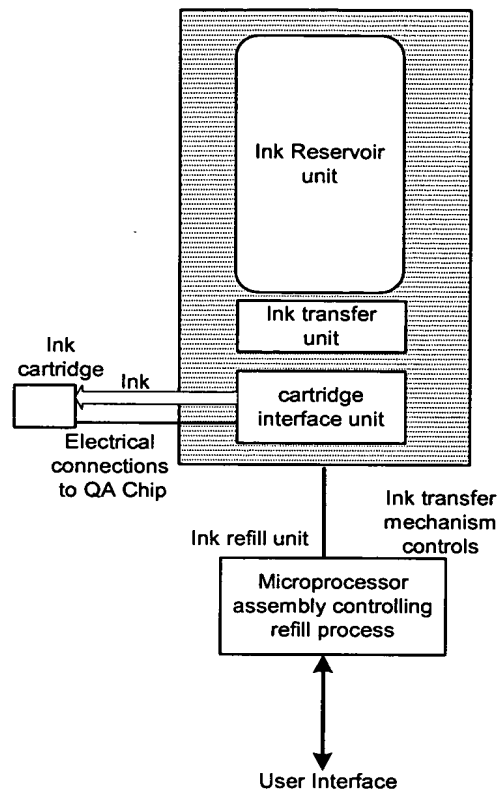


FIG. 357

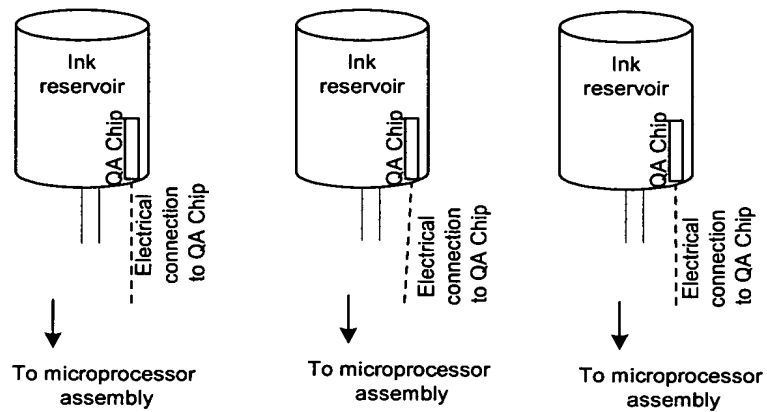


FIG. 358

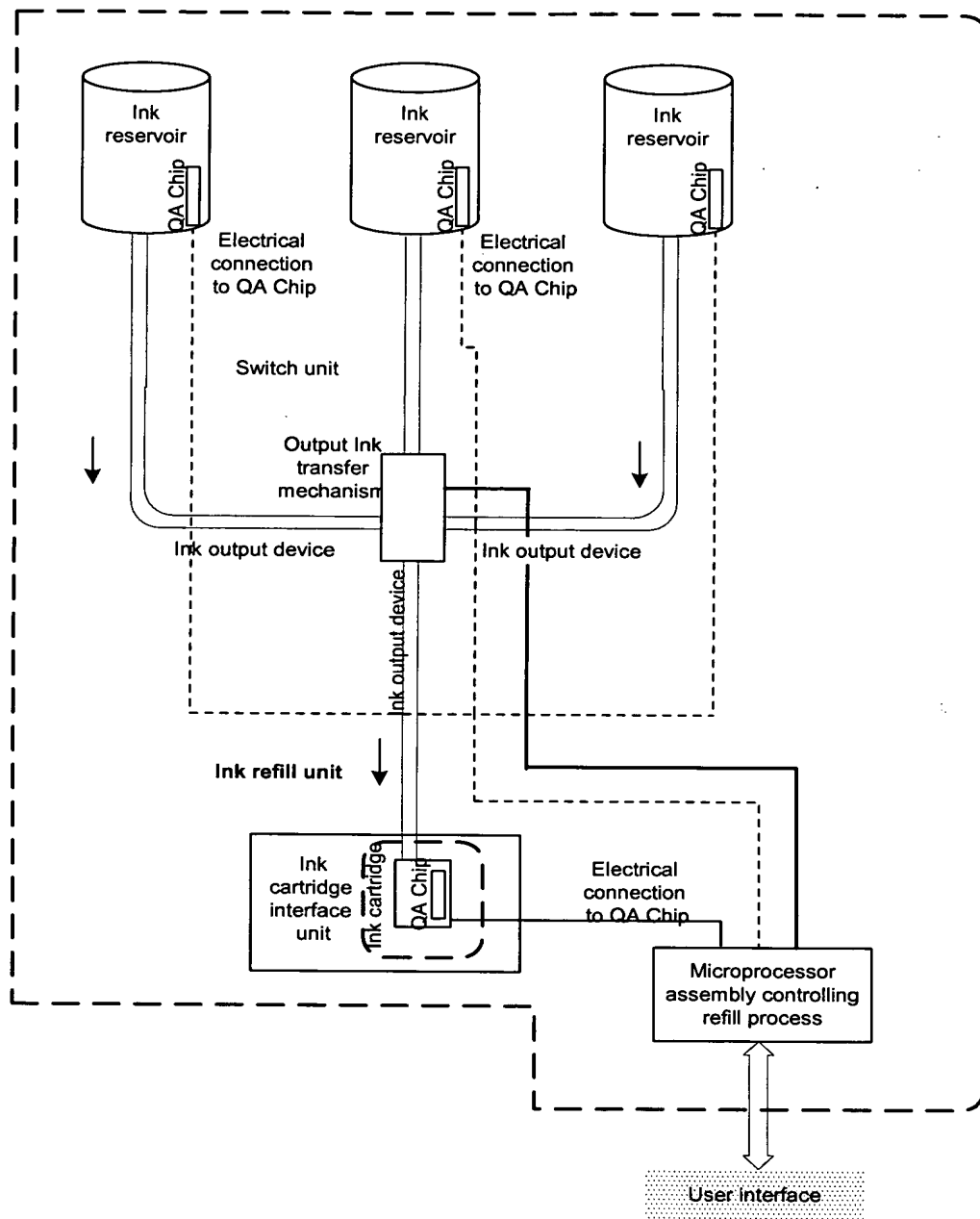


FIG. 359

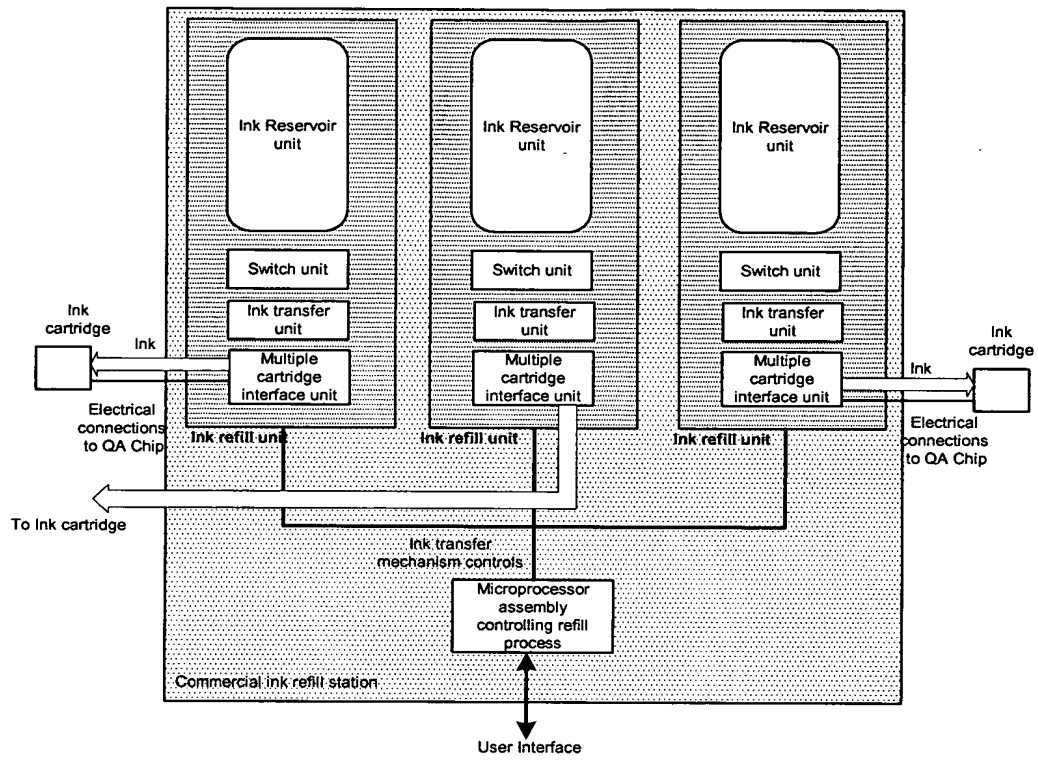


FIG. 360

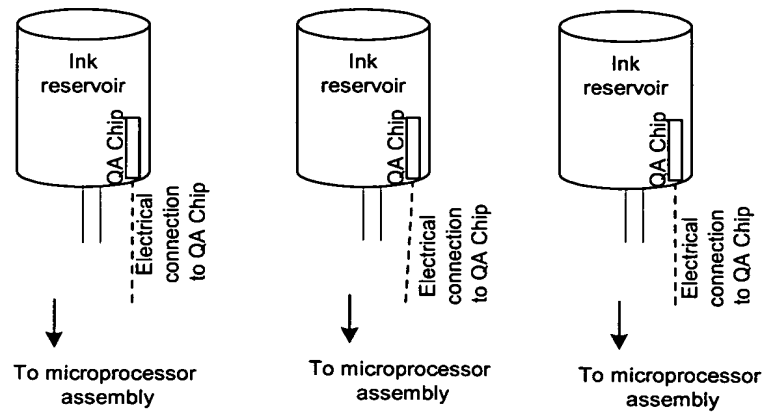


FIG. 361

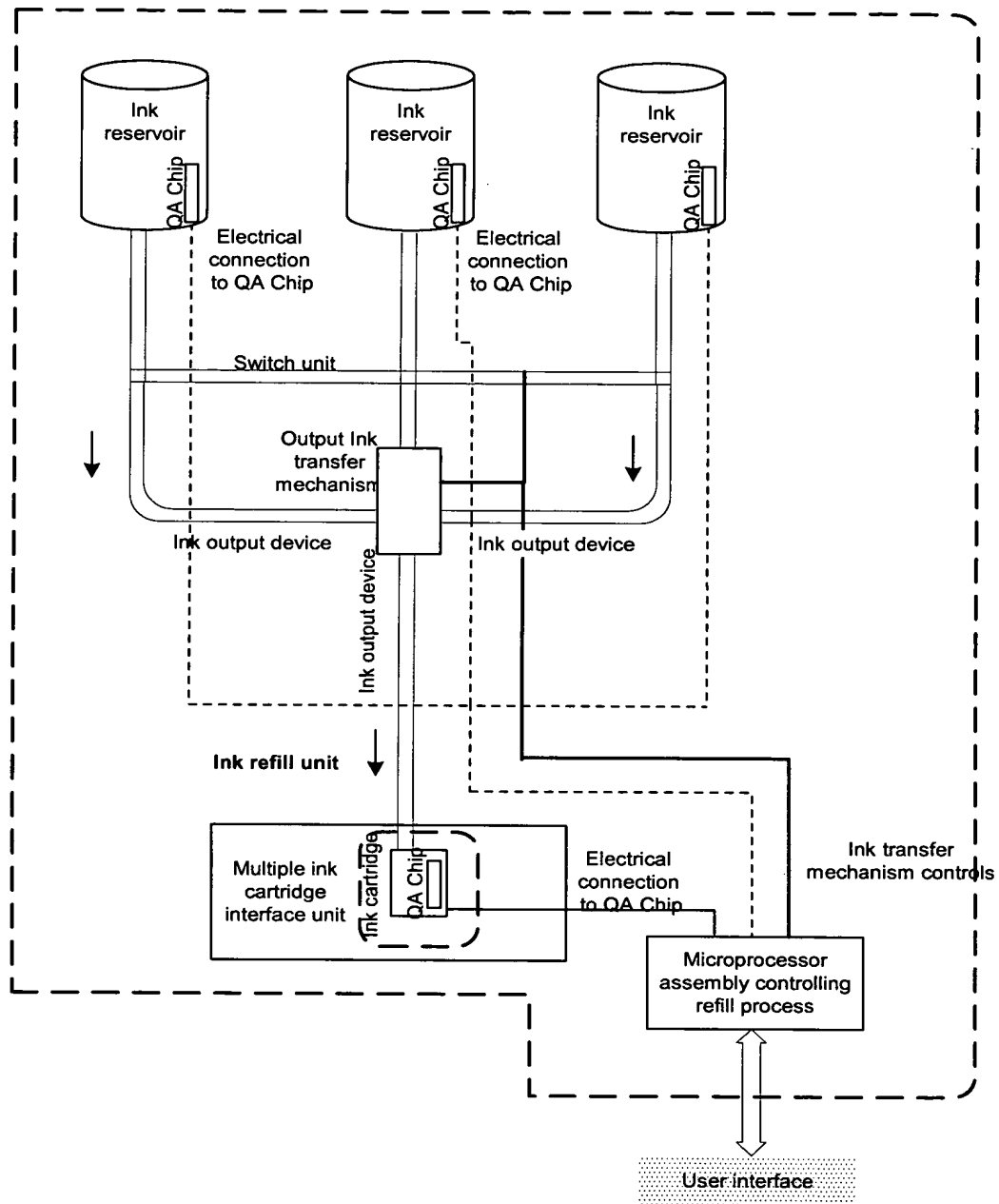


FIG. 362

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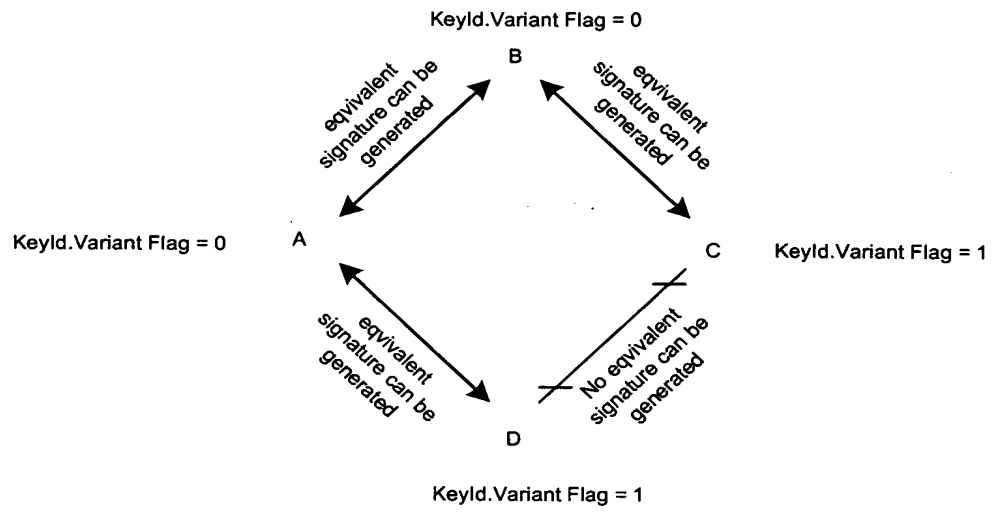


FIG. 363

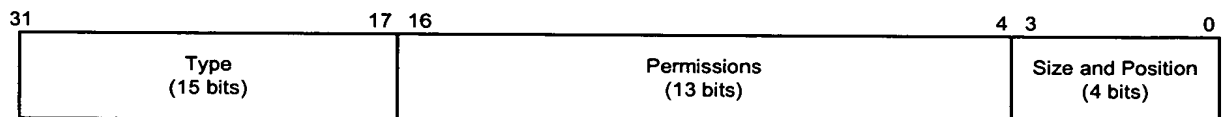


FIG. 364

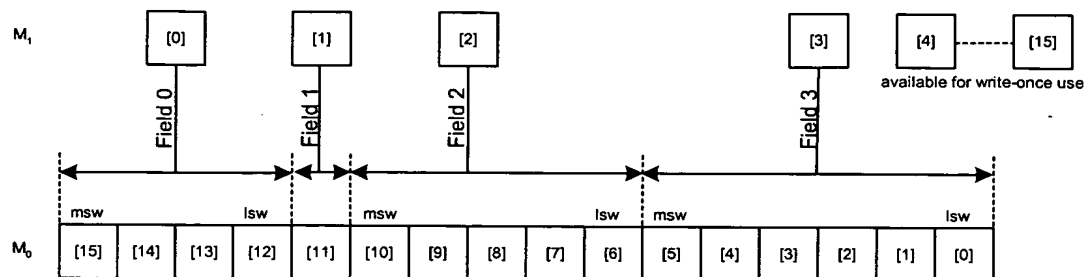


FIG. 365

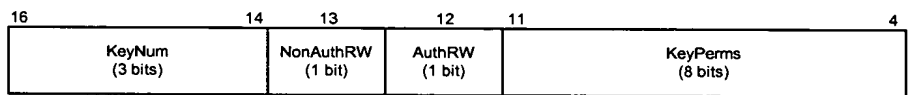


FIG. 366

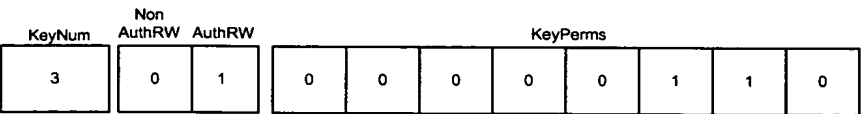


FIG. 367

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KeyNum	Non		KeyPerms						
	AuthRW	AuthRW							
3	1	1	0	0	0	0	1	1	1

FIG. 368

31																17	16			14			13			12			11																4	3			0
Type (15 bits)																	KeyNum (3 bits)			NonAuth RW (1 bit)		AuthRW (1 bit)		KeyPerms (8 bits)								EndPos (4 bits)																	

FIG. 369

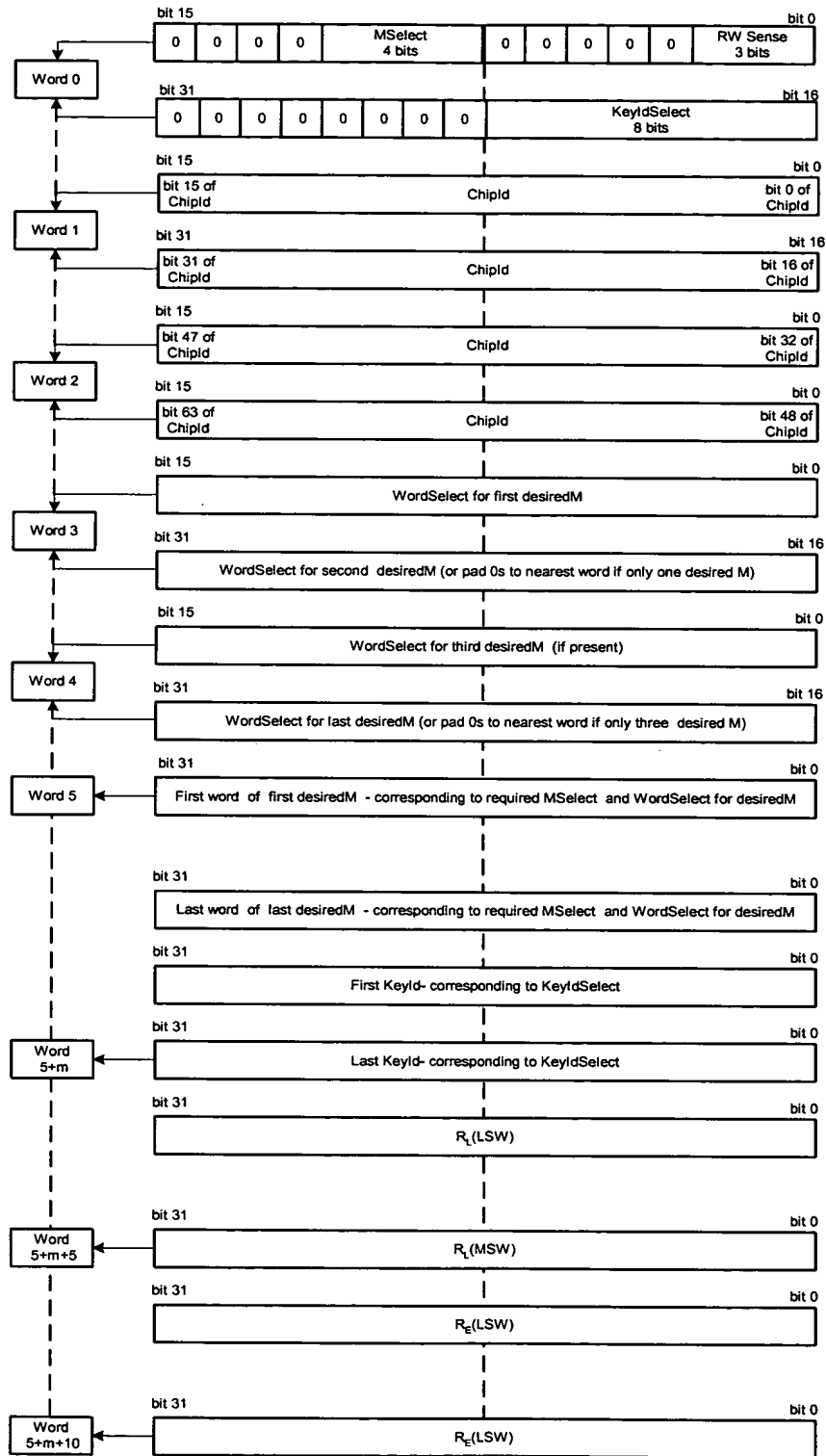


FIG. 370

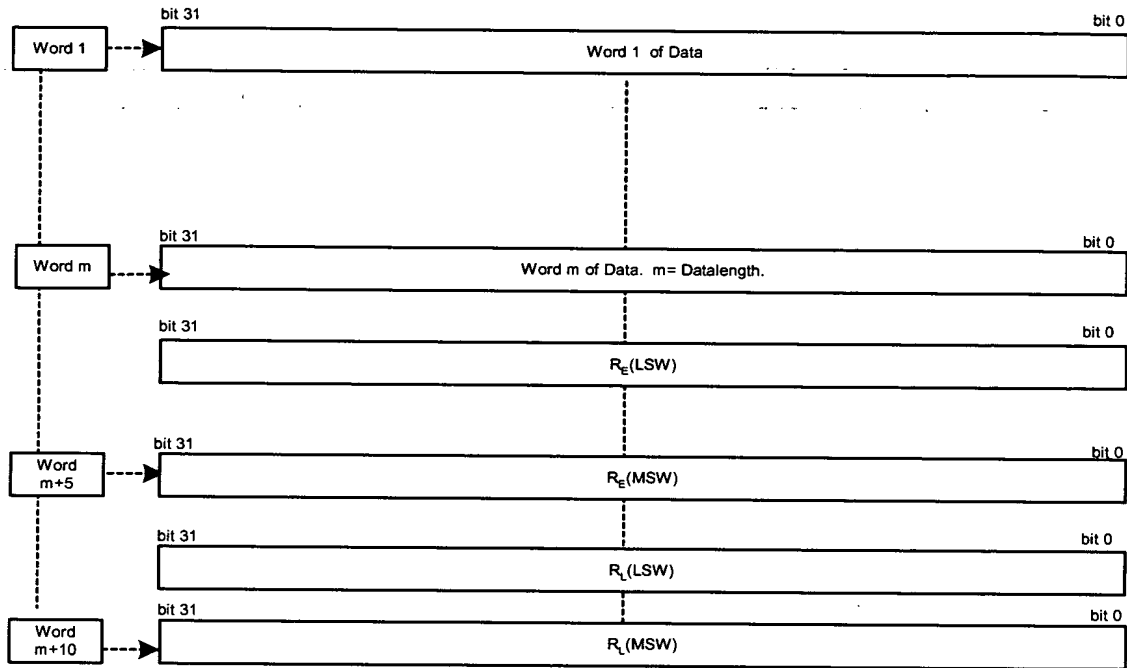


FIG. 371

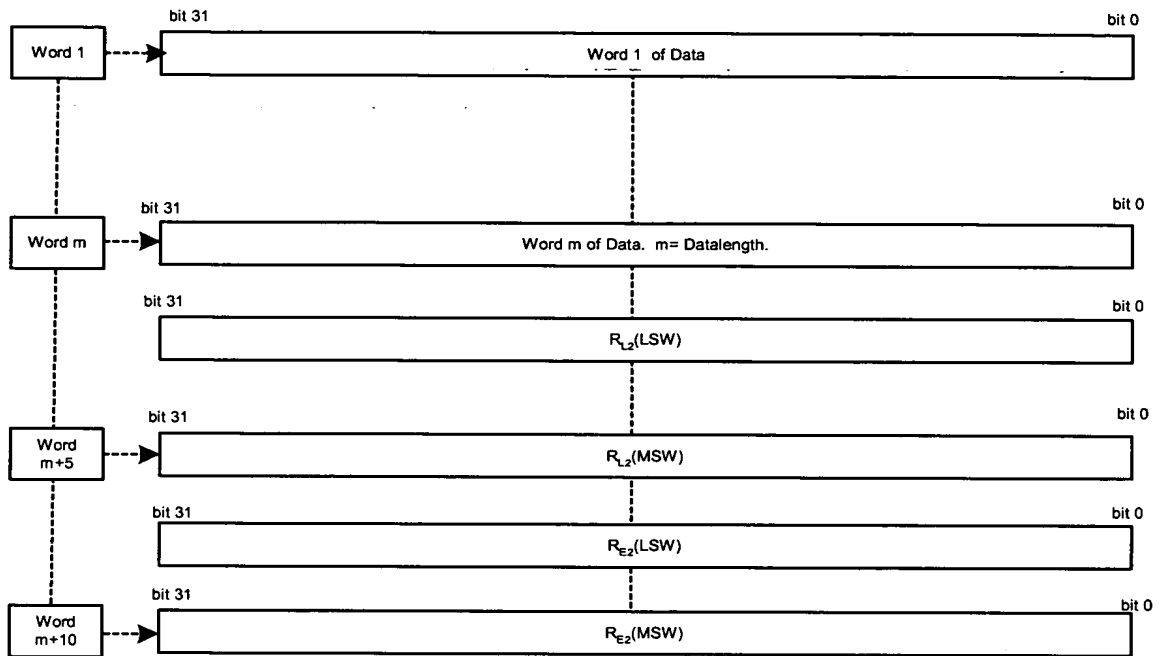


FIG. 372

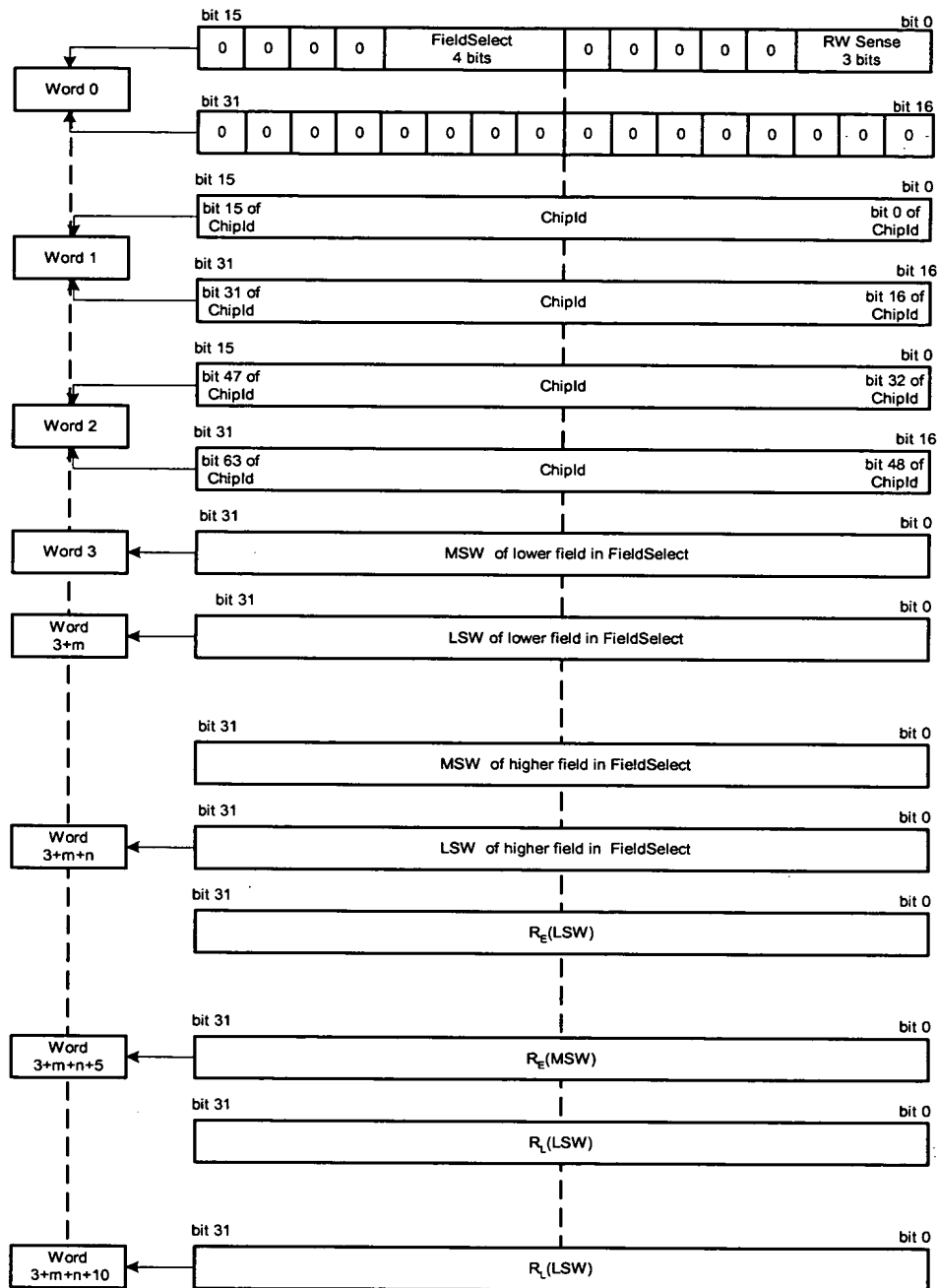


FIG. 373

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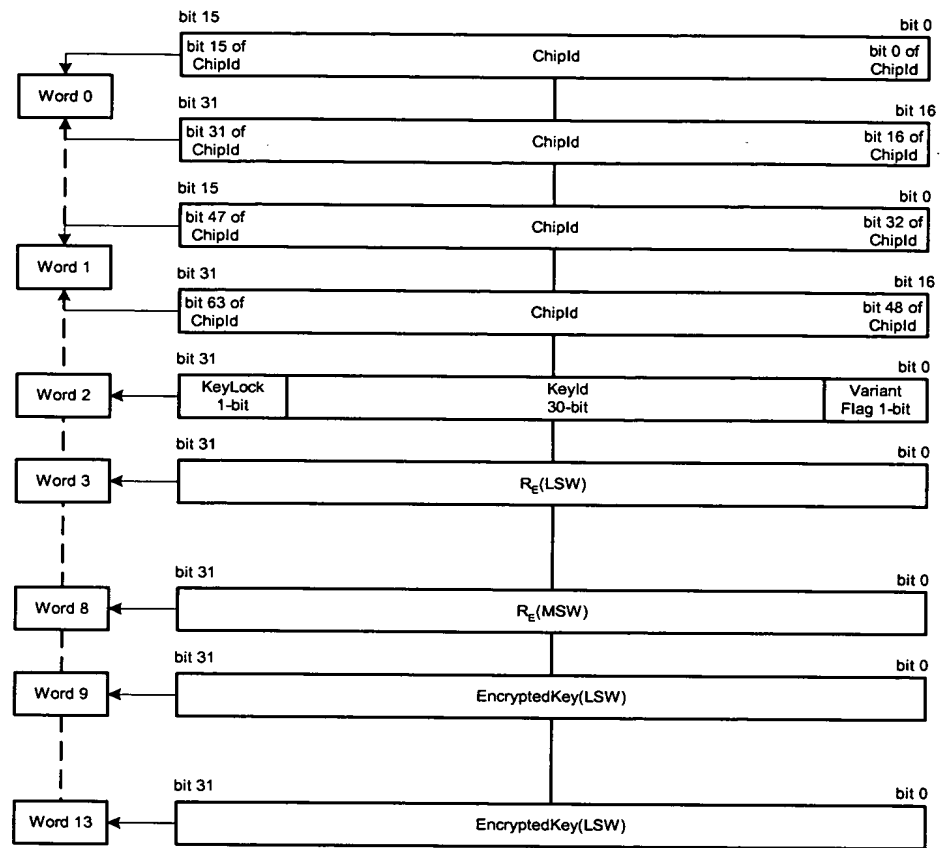


FIG. 374

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		NewKey									
		K ₀	K ₁	K ₂	K ₃	K ₄	K ₅	K ₆	K ₇		
OldKey	K ₀									⇒	0x00
	K ₁			1						⇒	0x04
	K ₂					1			1	⇒	0x90
	K ₃		1							⇒	0x02
	K ₄		1							⇒	0x02
	K ₅		1							⇒	0x02
	K ₆		1				1			⇒	0x22
	K ₇		1							⇒	0x02

FIG. 375

		NewKey									
		K ₀	K ₁	K ₂	K ₃	K ₄	K ₅	K ₆	K ₇		
OldKey	K ₀									⇒	0x00
	K ₁			access deleted						⇒	0x00
	K ₂					1			1	⇒	0x90
	K ₃									⇒	0x00
	K ₄									⇒	0x00
	K ₅									⇒	0x00
	K ₆						1			⇒	0x20
	K ₇									⇒	0x00

FIG. 376

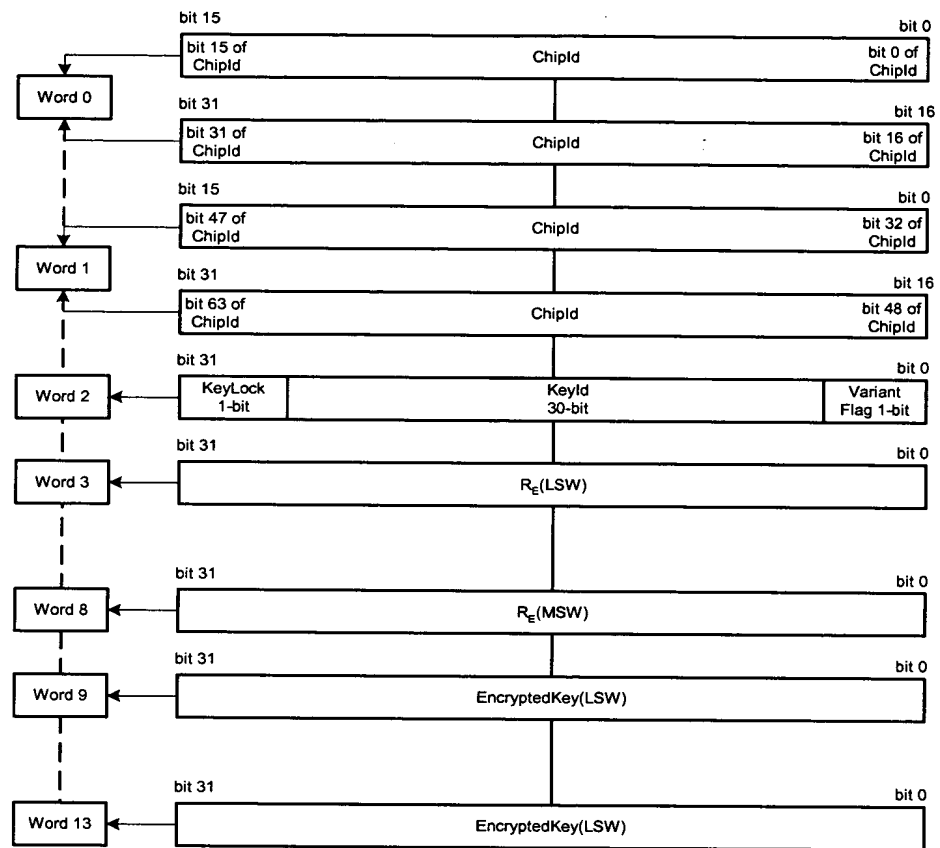


FIG. 377

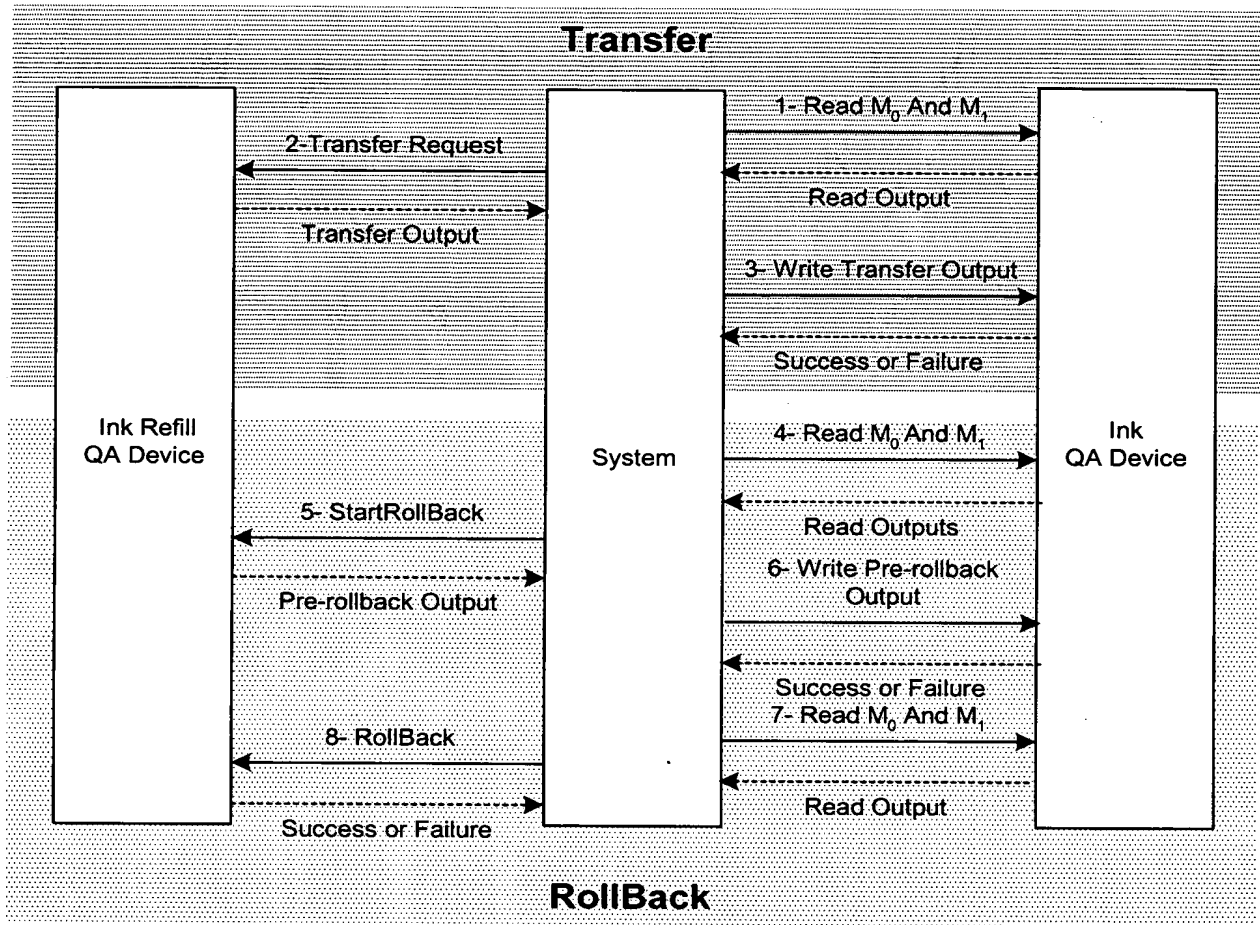


FIG. 378

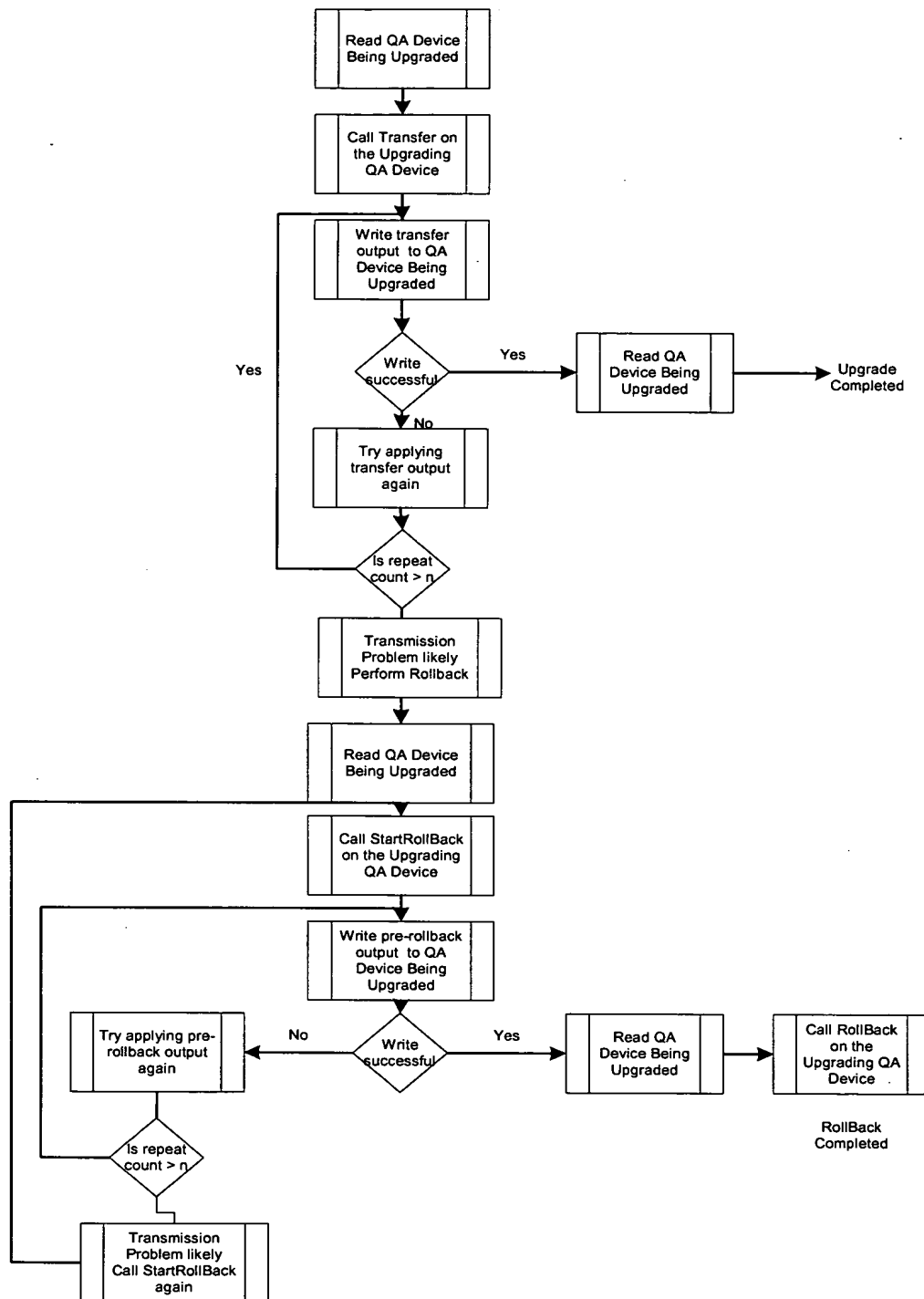


FIG. 379

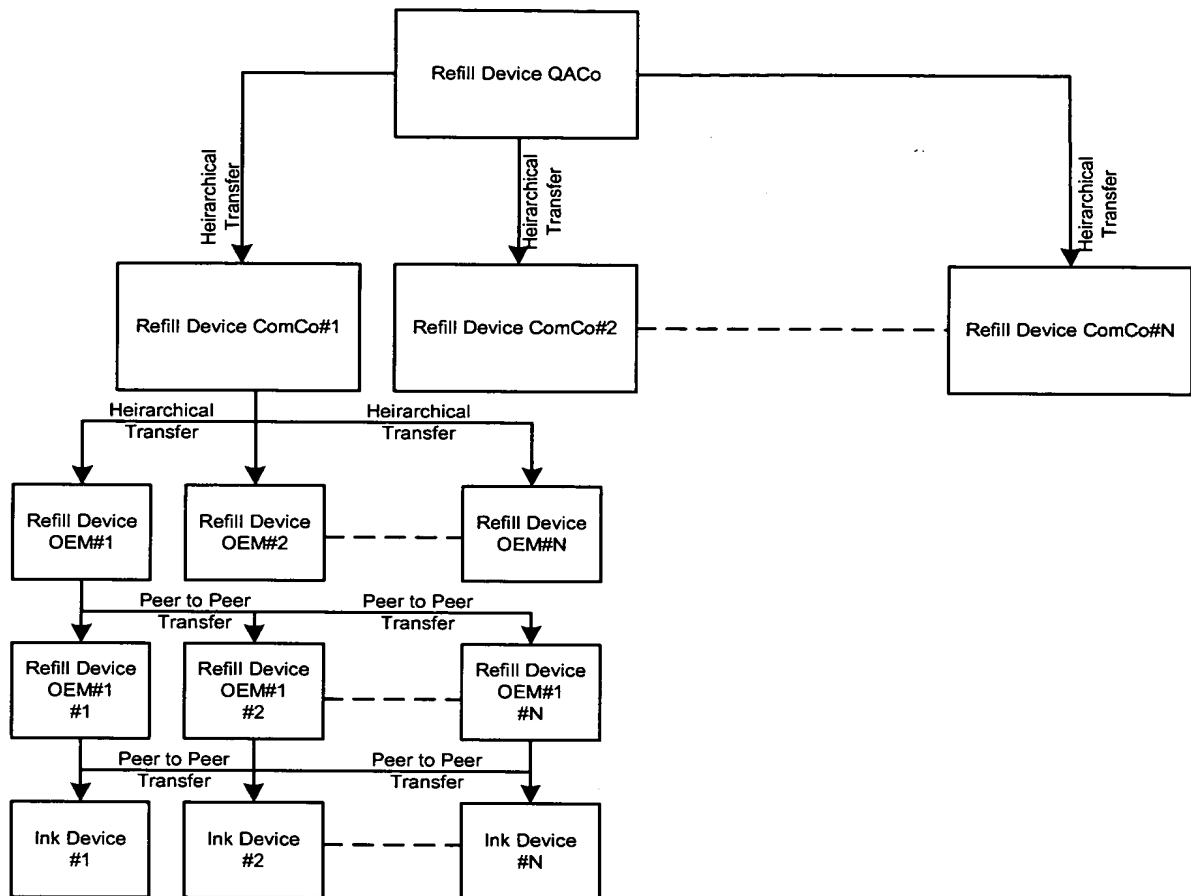


FIG. 380

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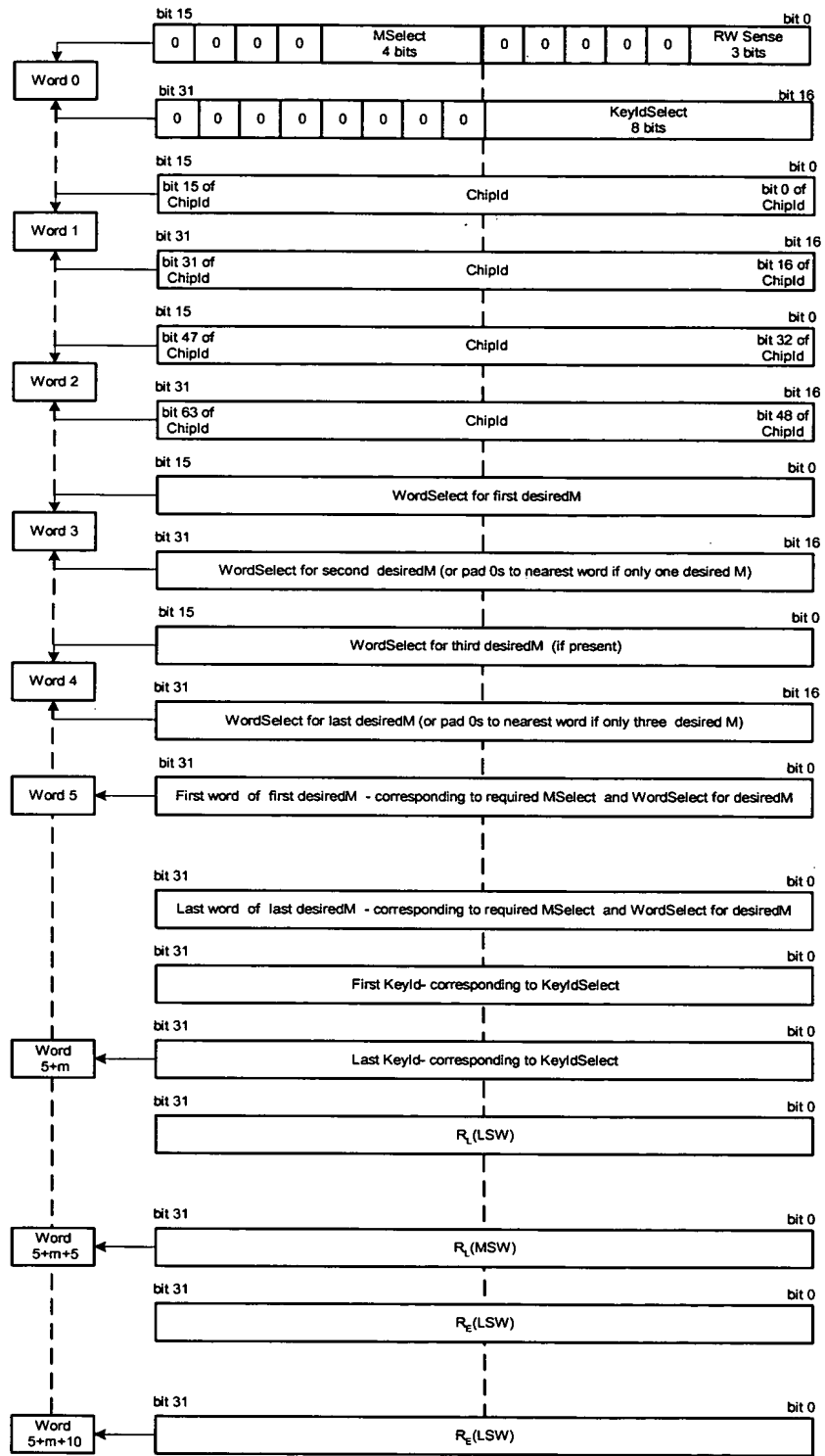


FIG. 381

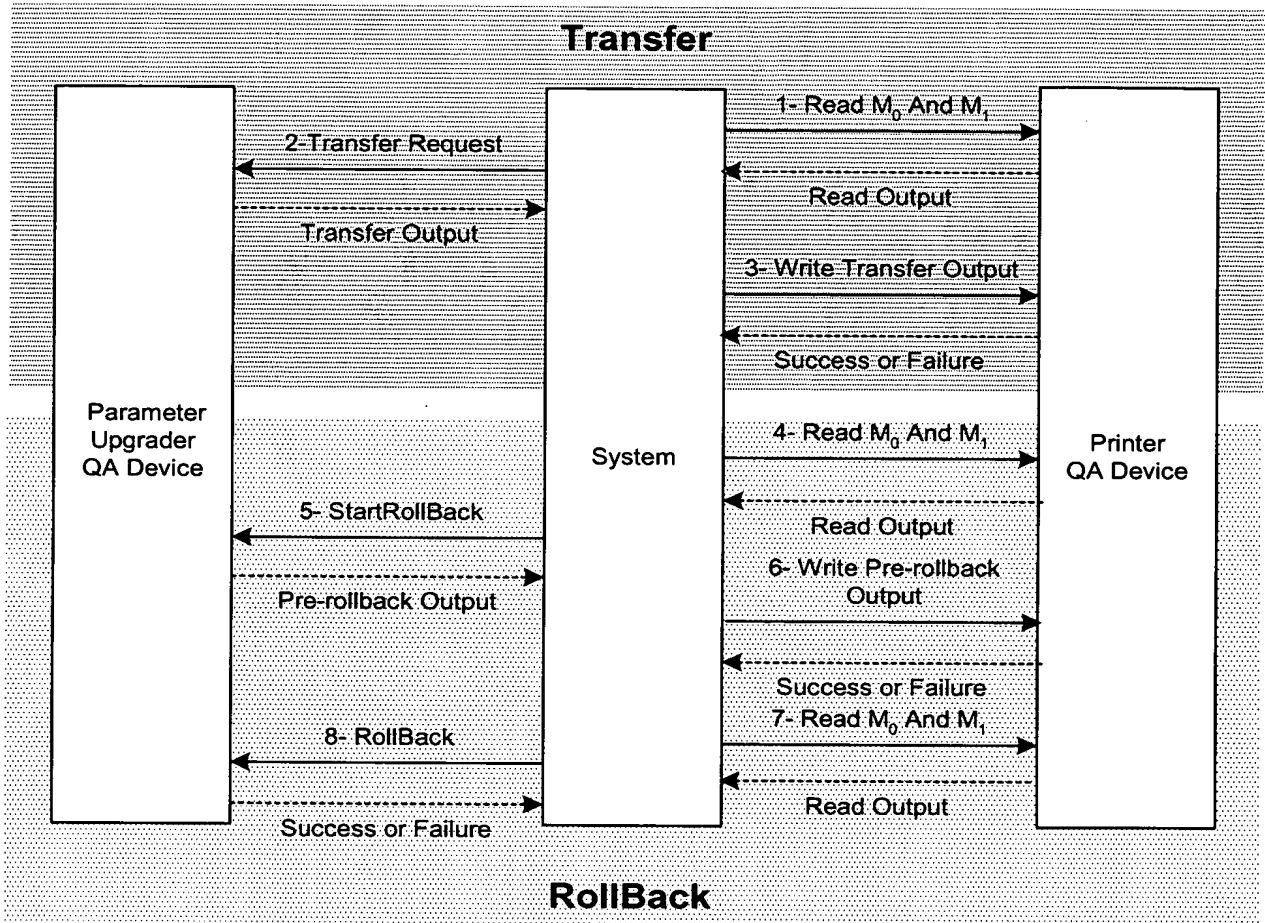


FIG. 382

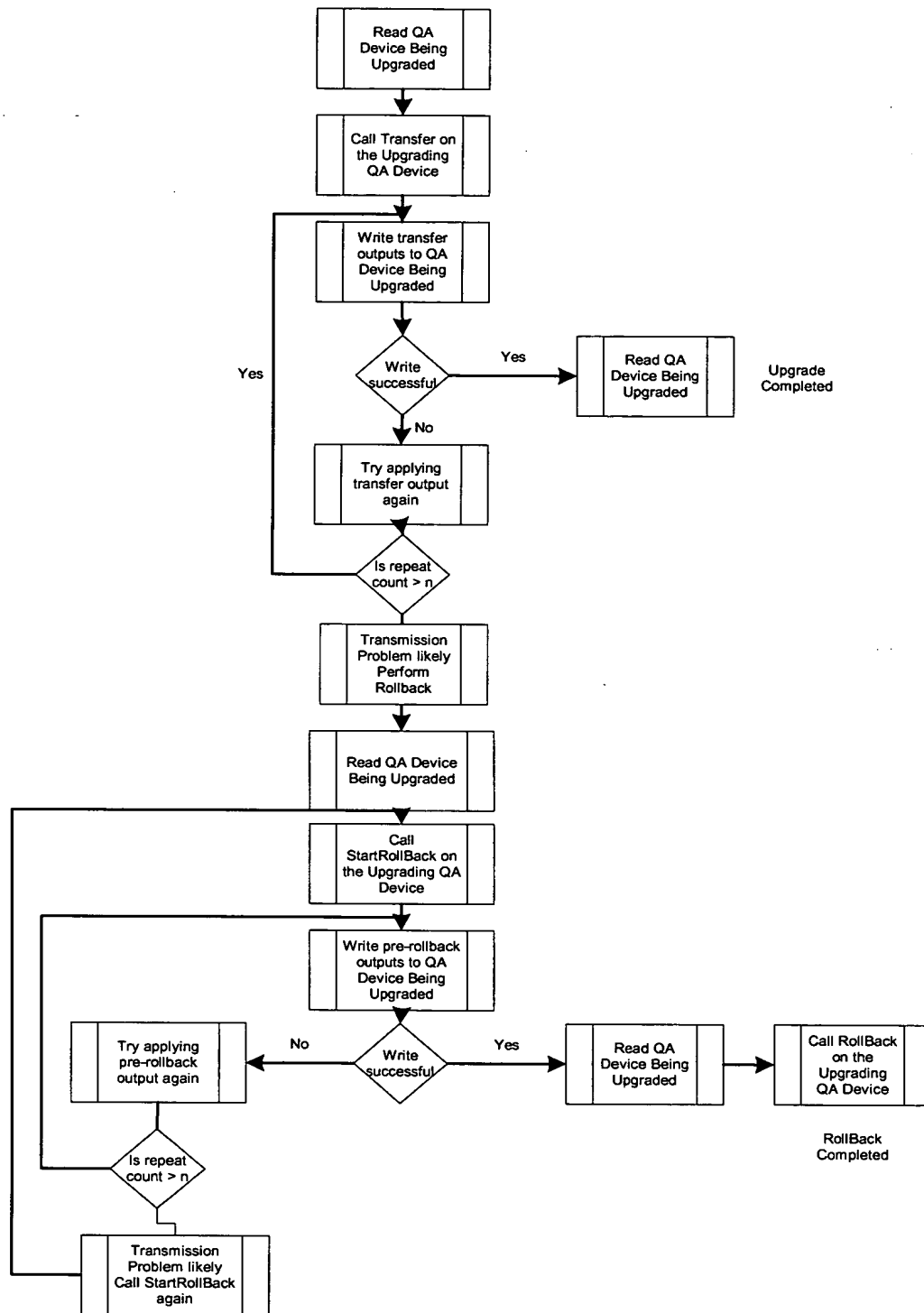


FIG. 383

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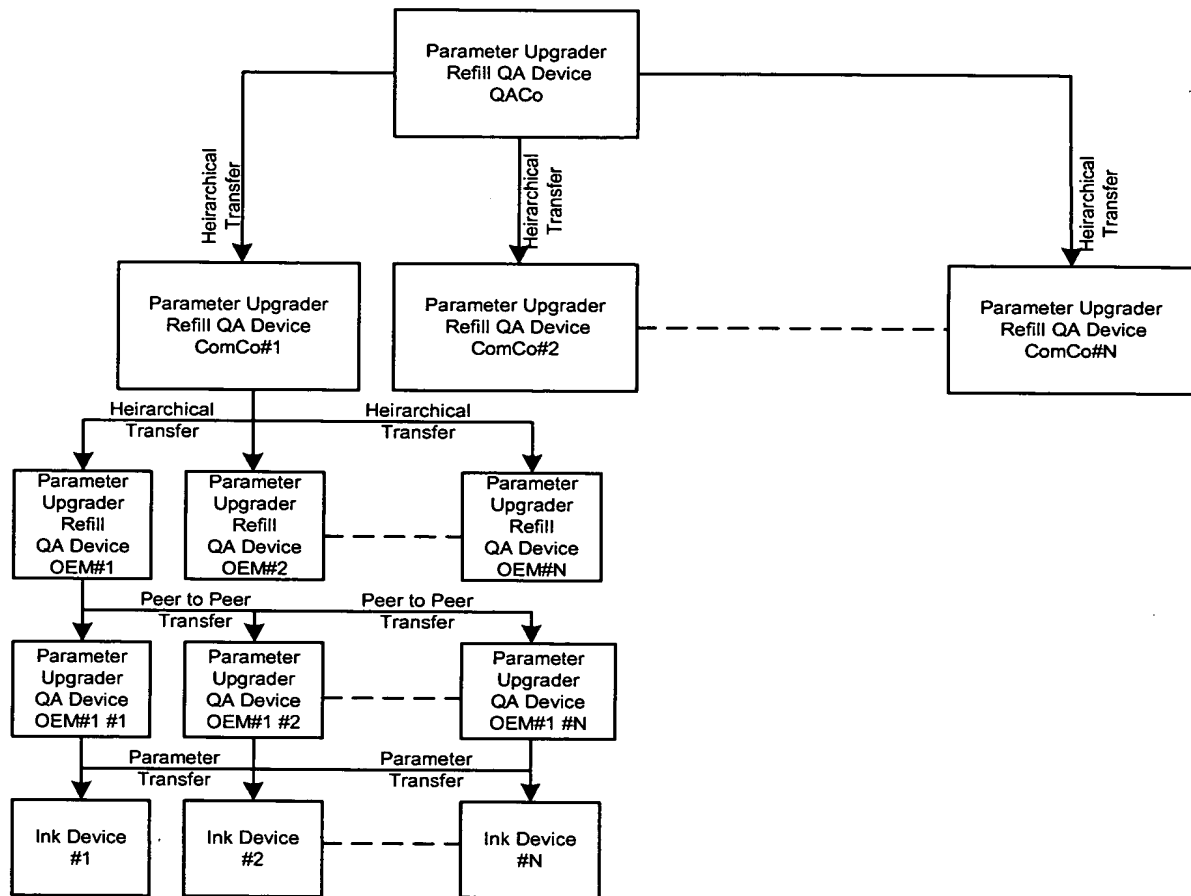


FIG. 384

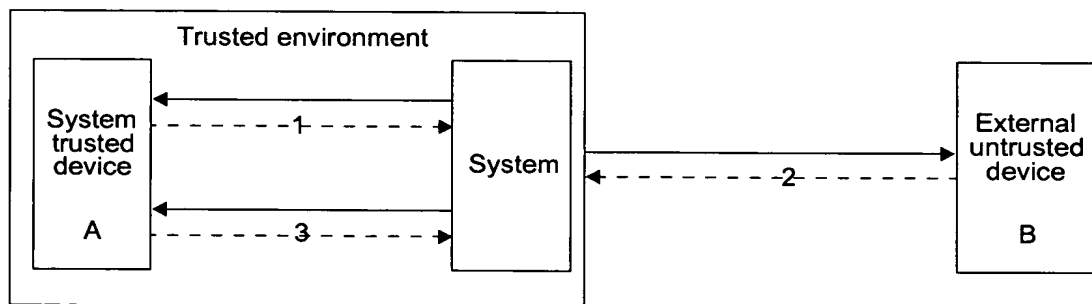
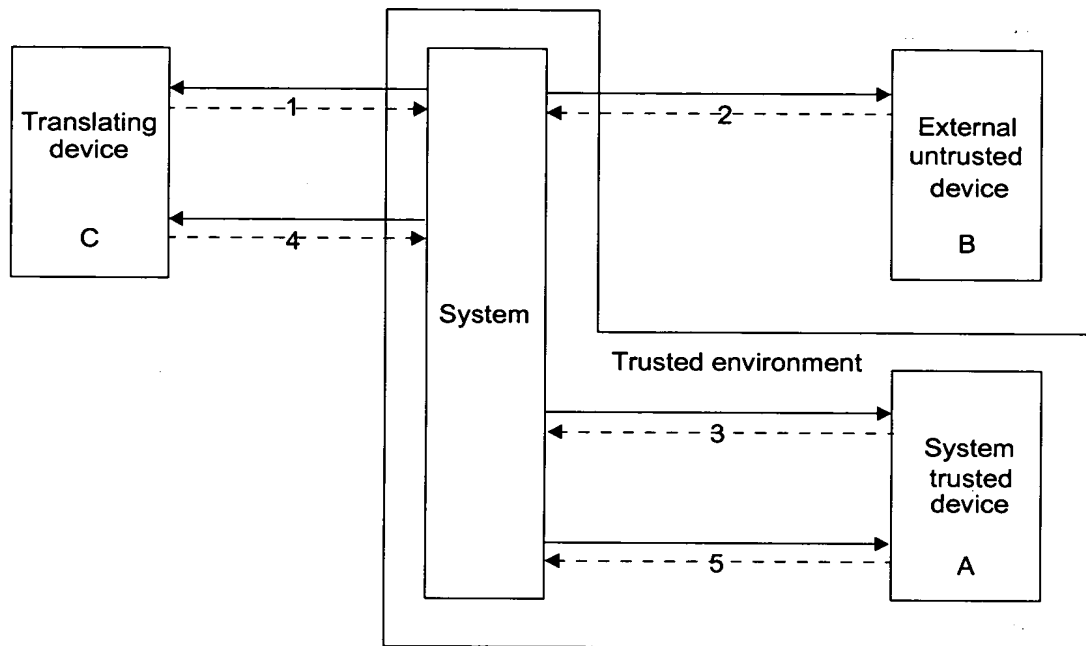


FIG. 385

*FIG. 386*

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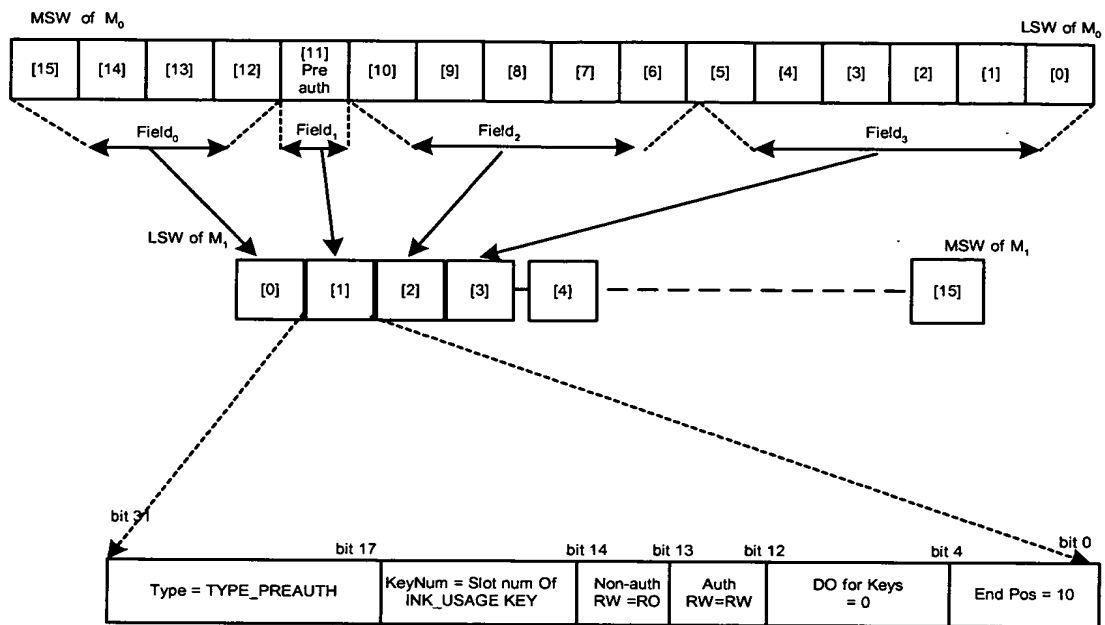


FIG. 387



FIG. 388

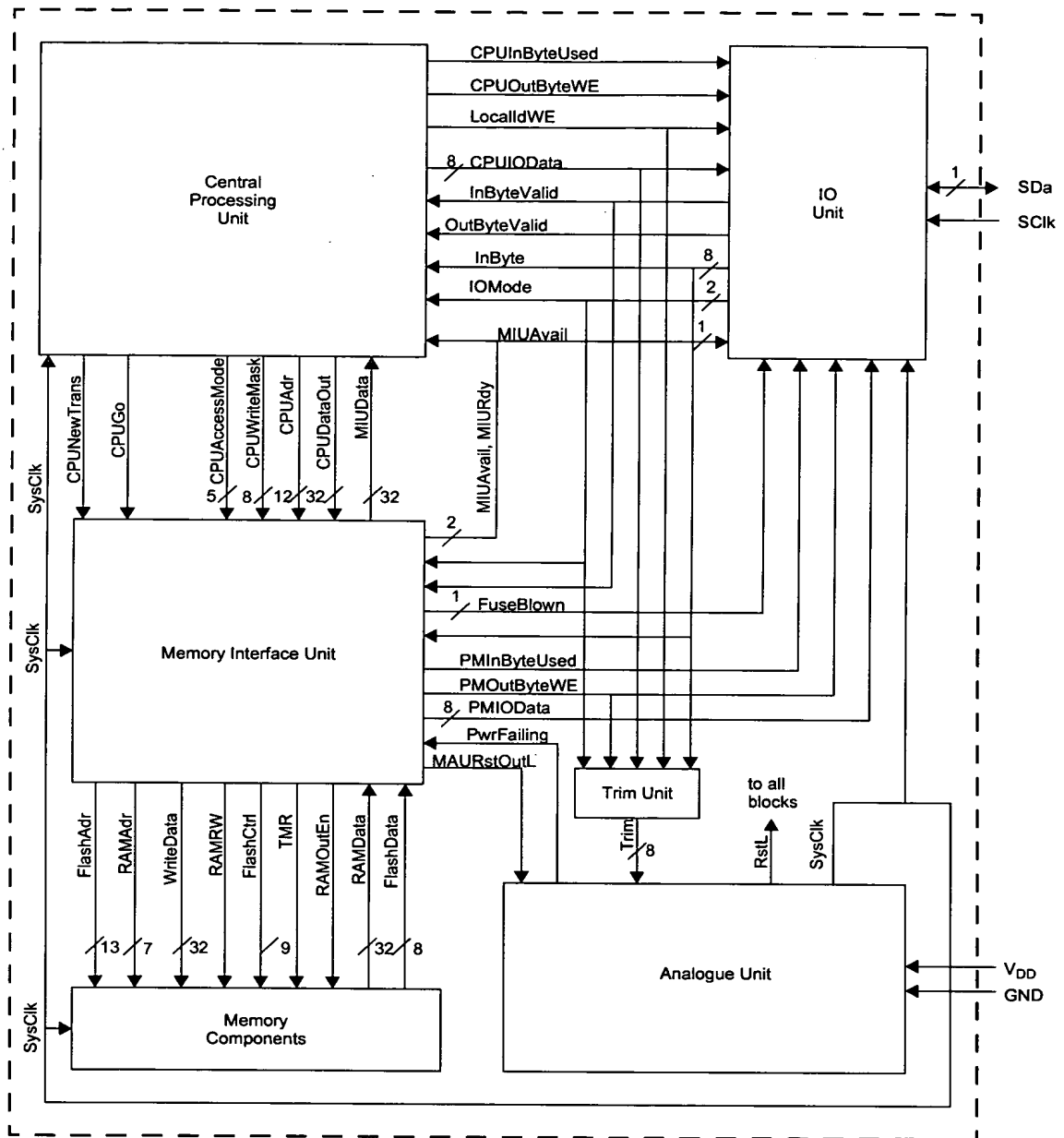


FIG. 389

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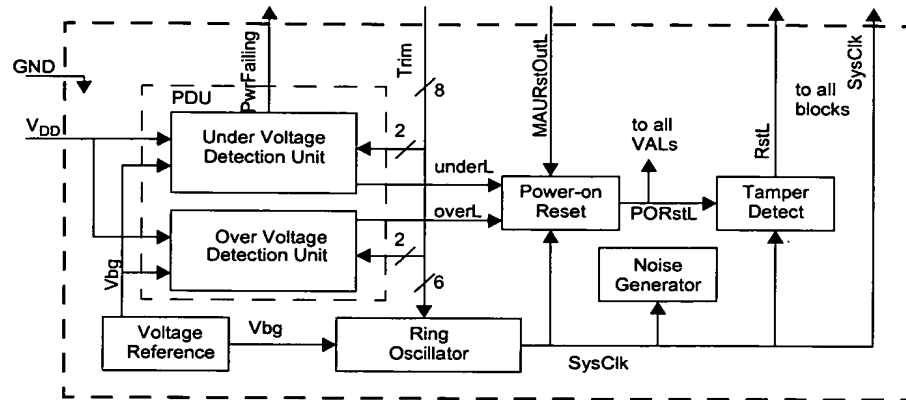


FIG. 390

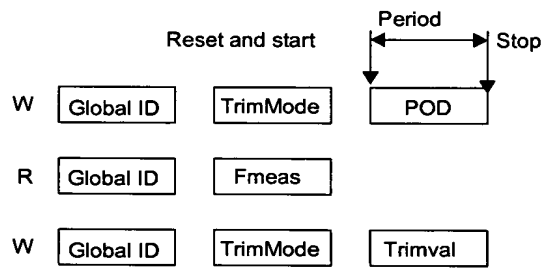


FIG. 391

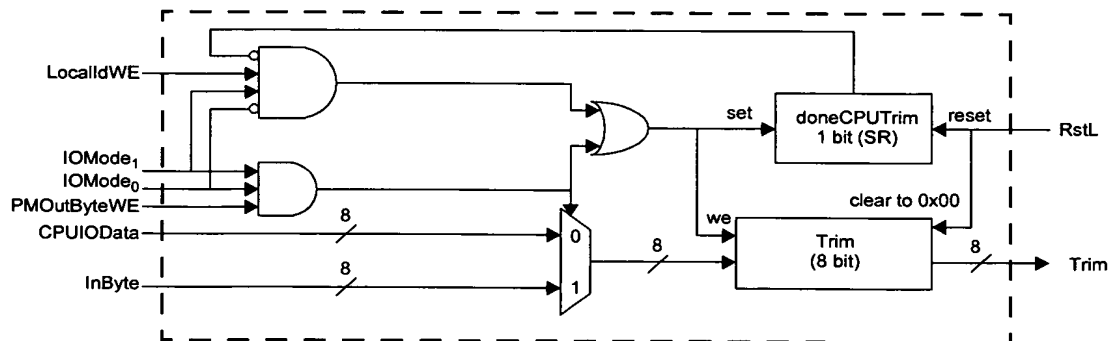


FIG. 392

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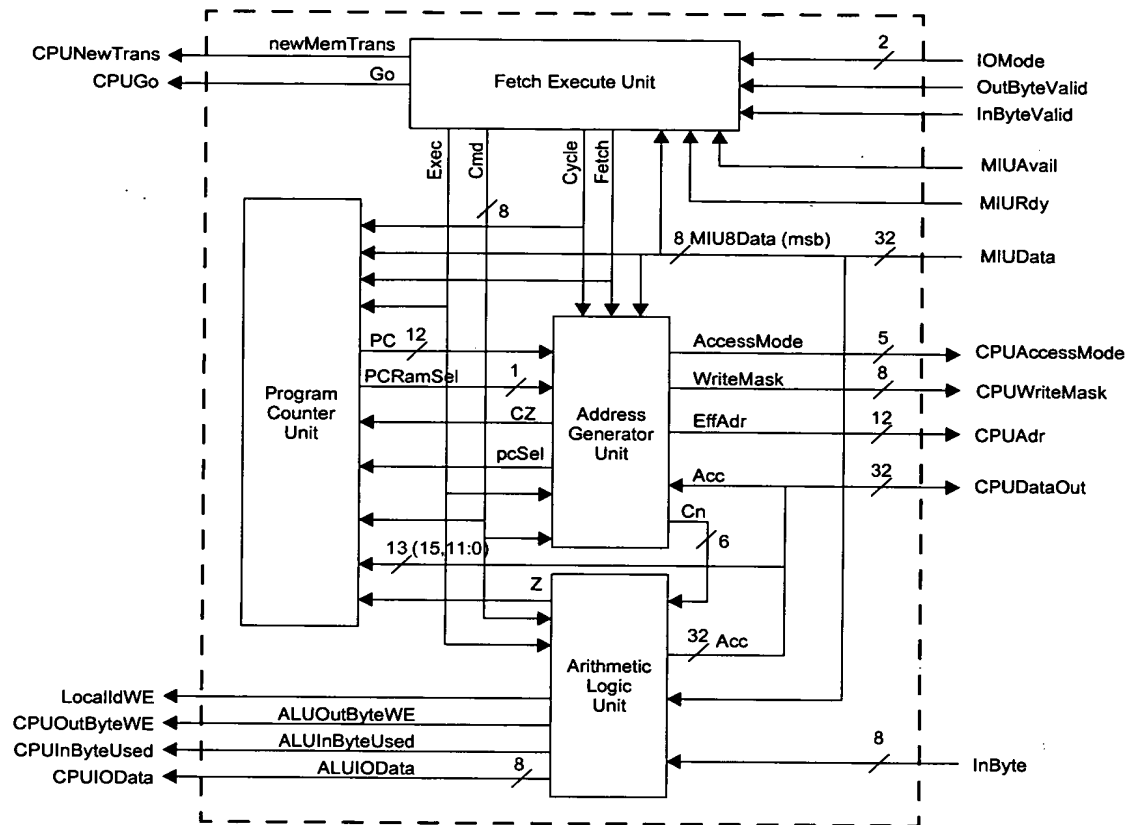


FIG. 393

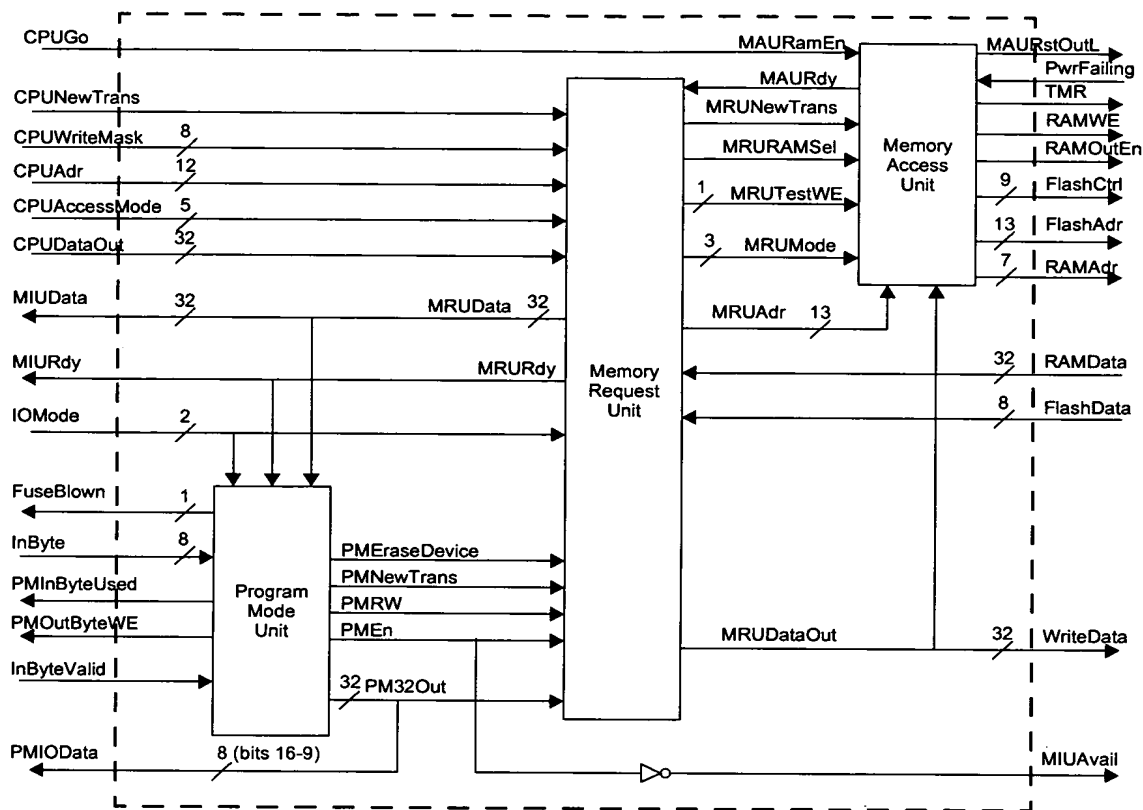


FIG. 394

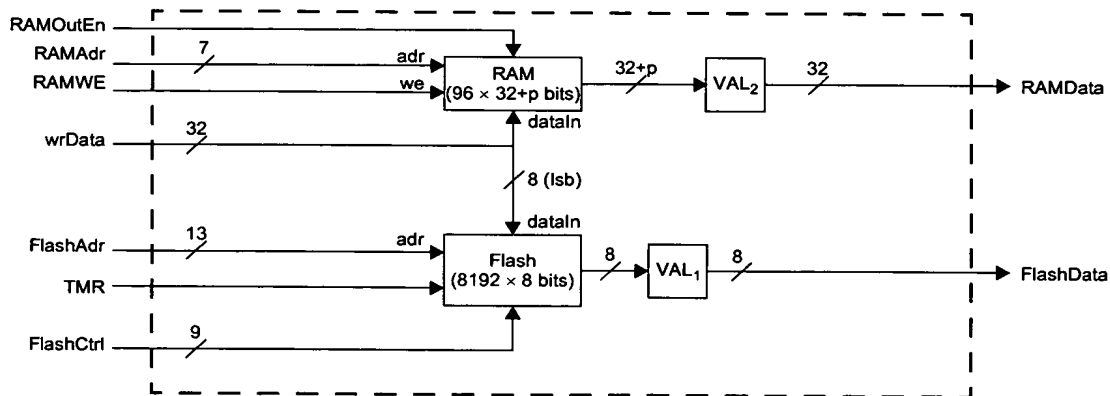


FIG. 395

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Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
PriID6	PriID5	PriID4	PriID3	PriID2	PriID1	PriID0	R/*W 0 = write 1 = read

FIG. 396

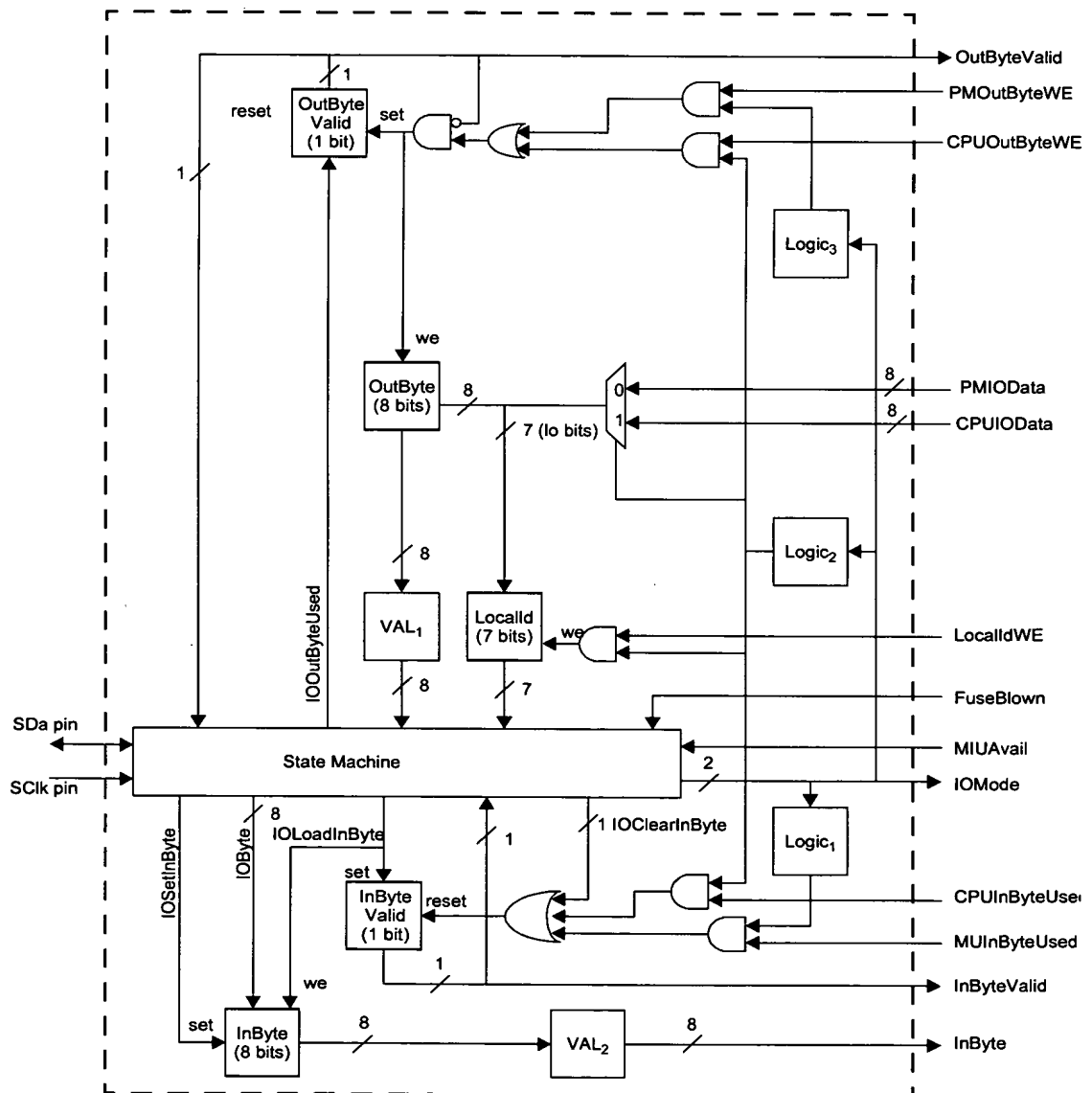


FIG. 397

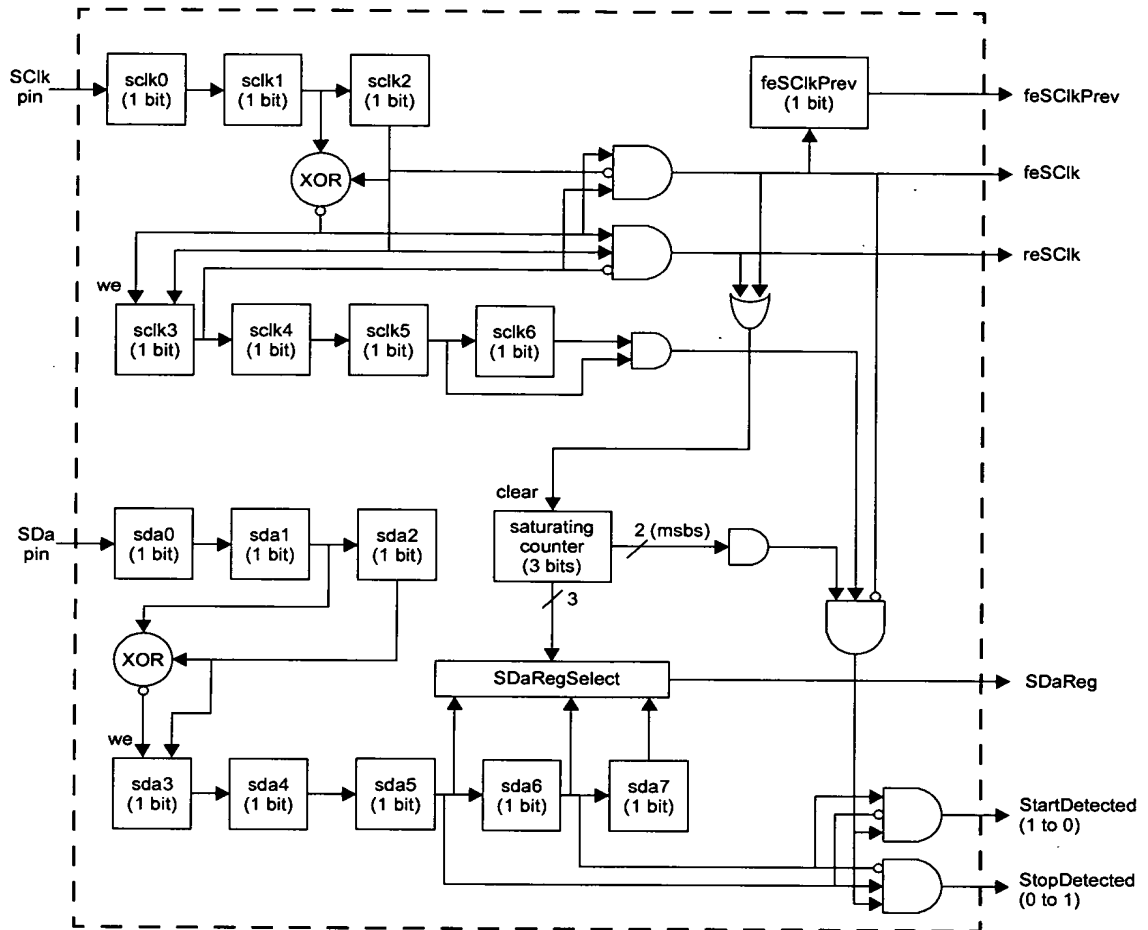


FIG. 398

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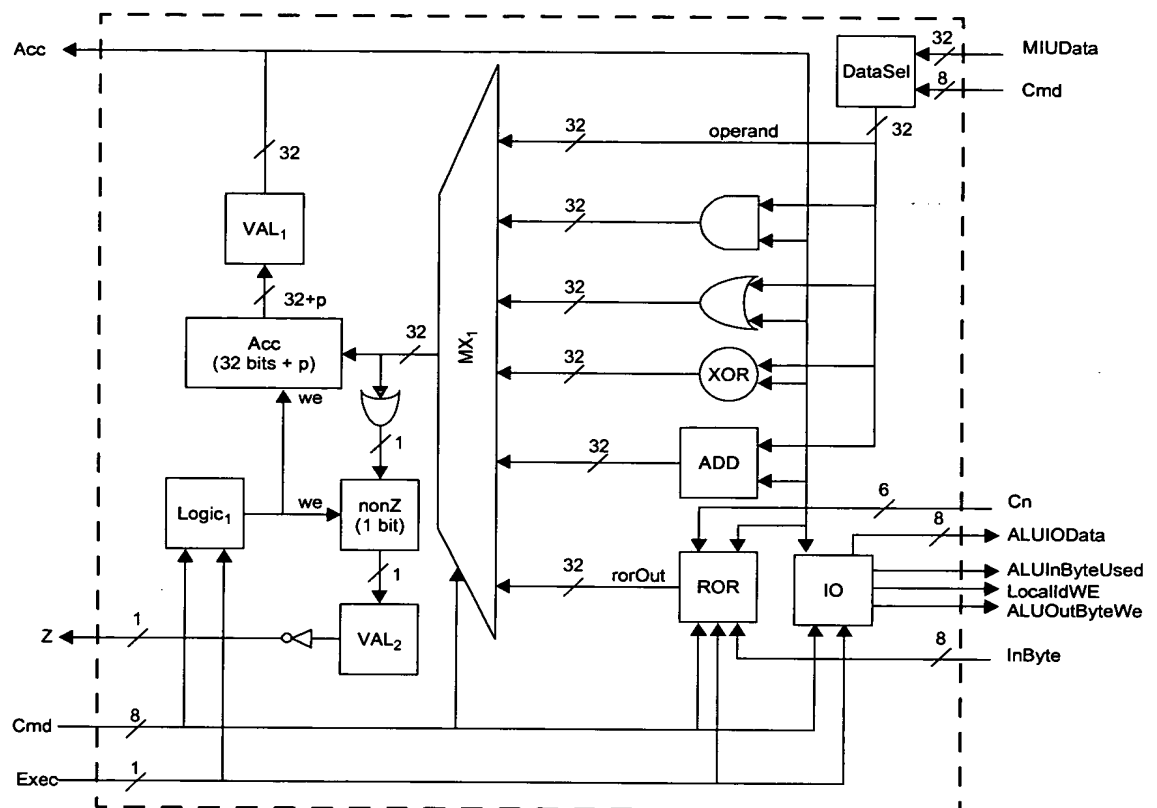


FIG. 399

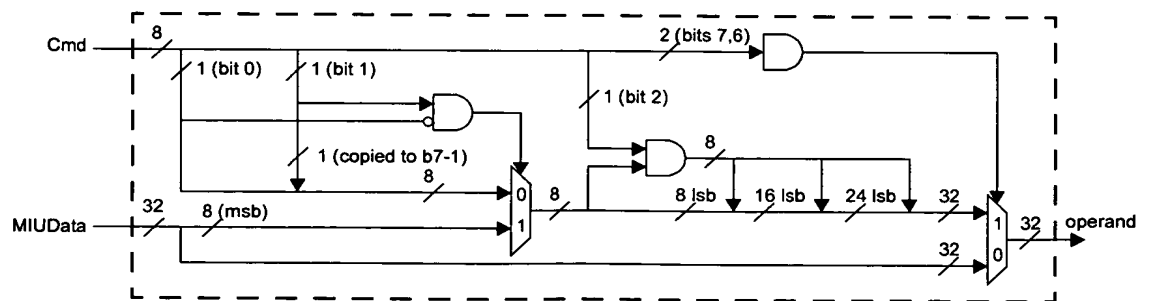


FIG. 400

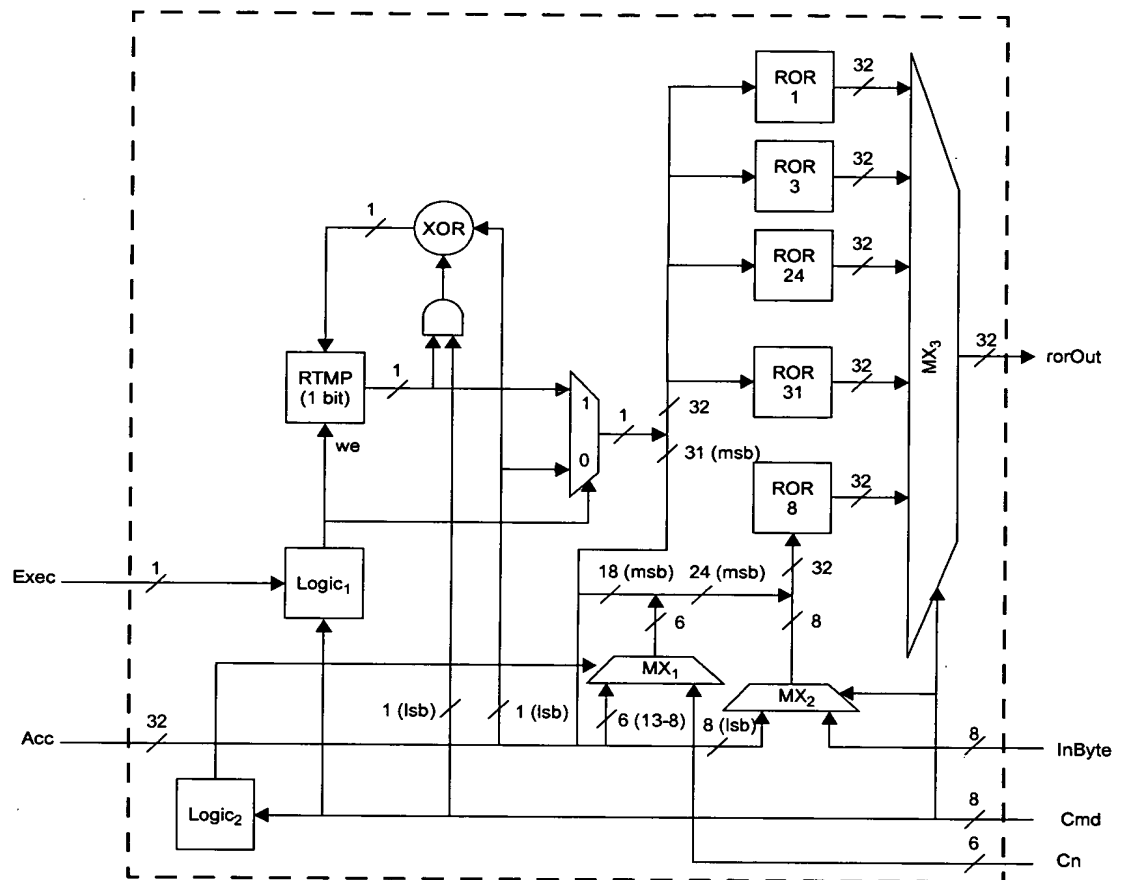


FIG. 401

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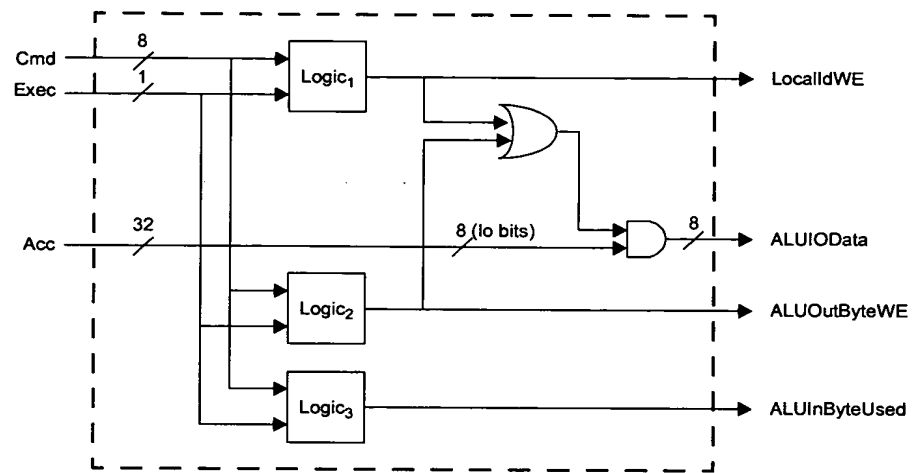


FIG. 402

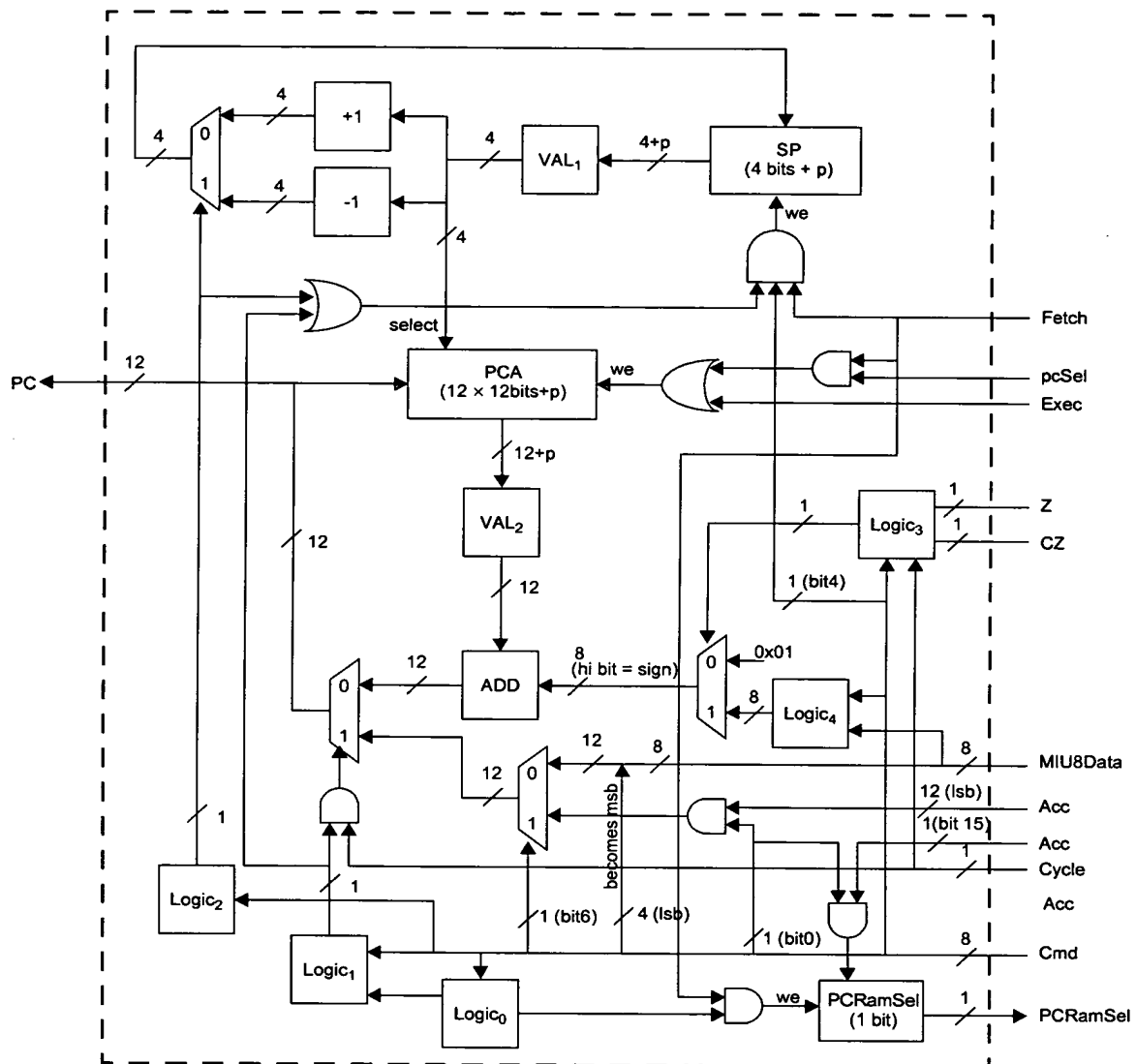


FIG. 403

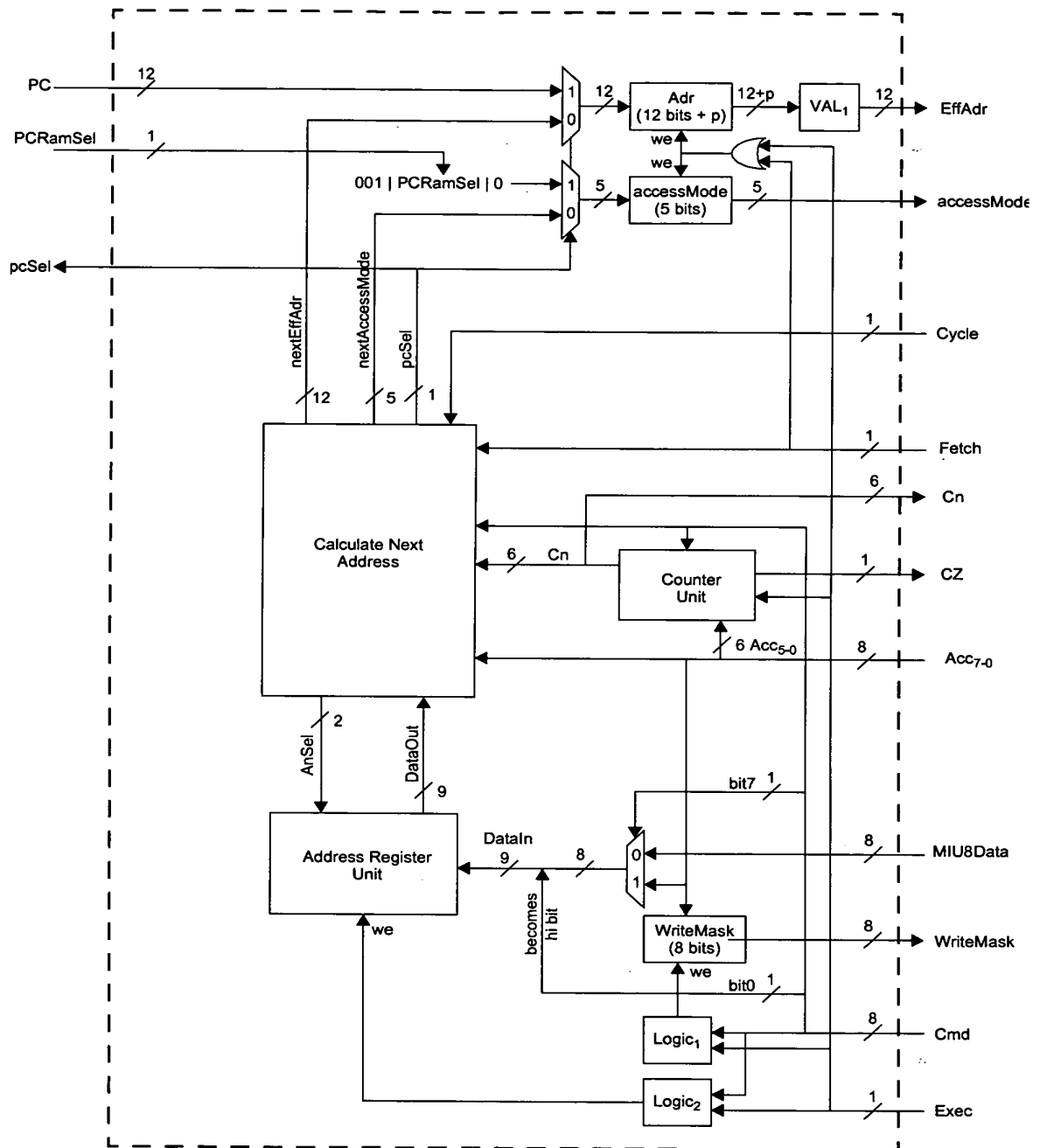


FIG. 404

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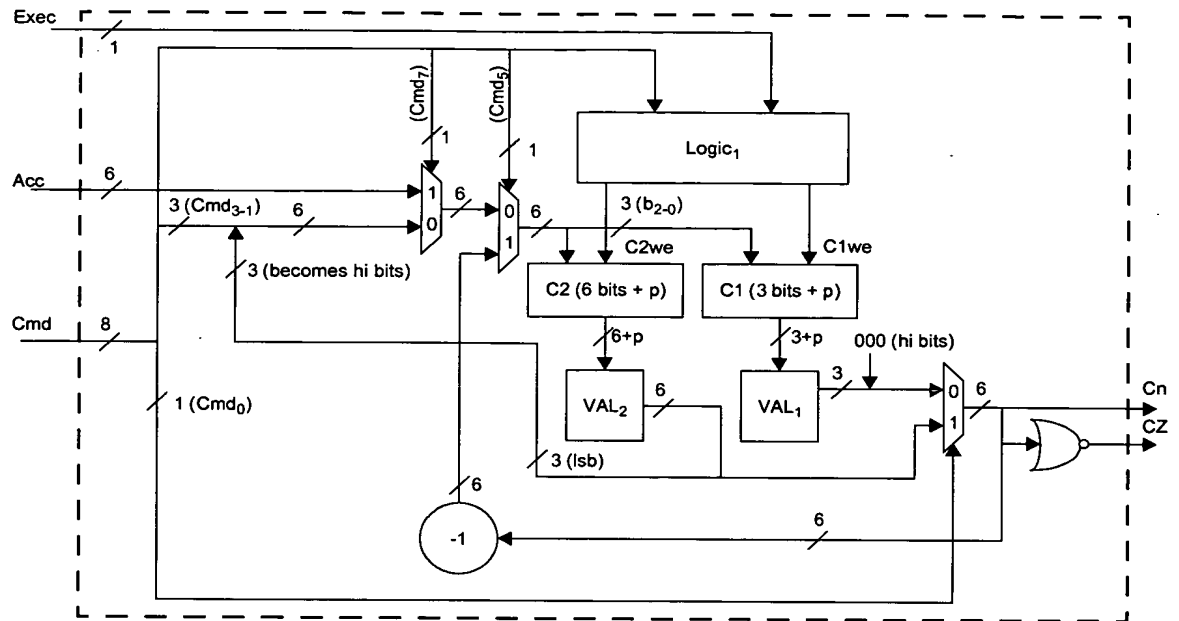


FIG. 405

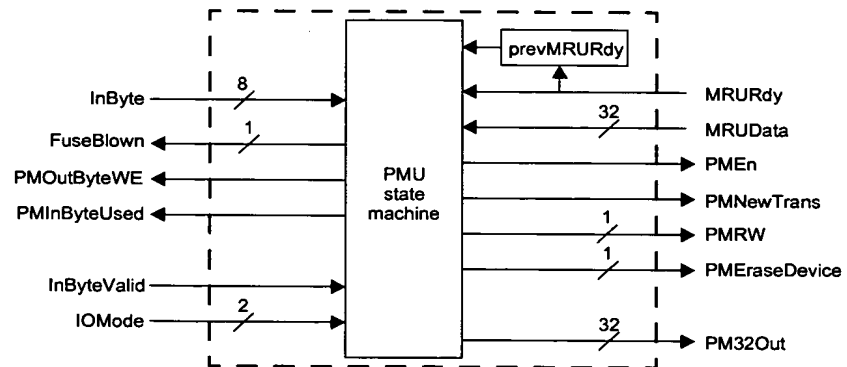


FIG. 406

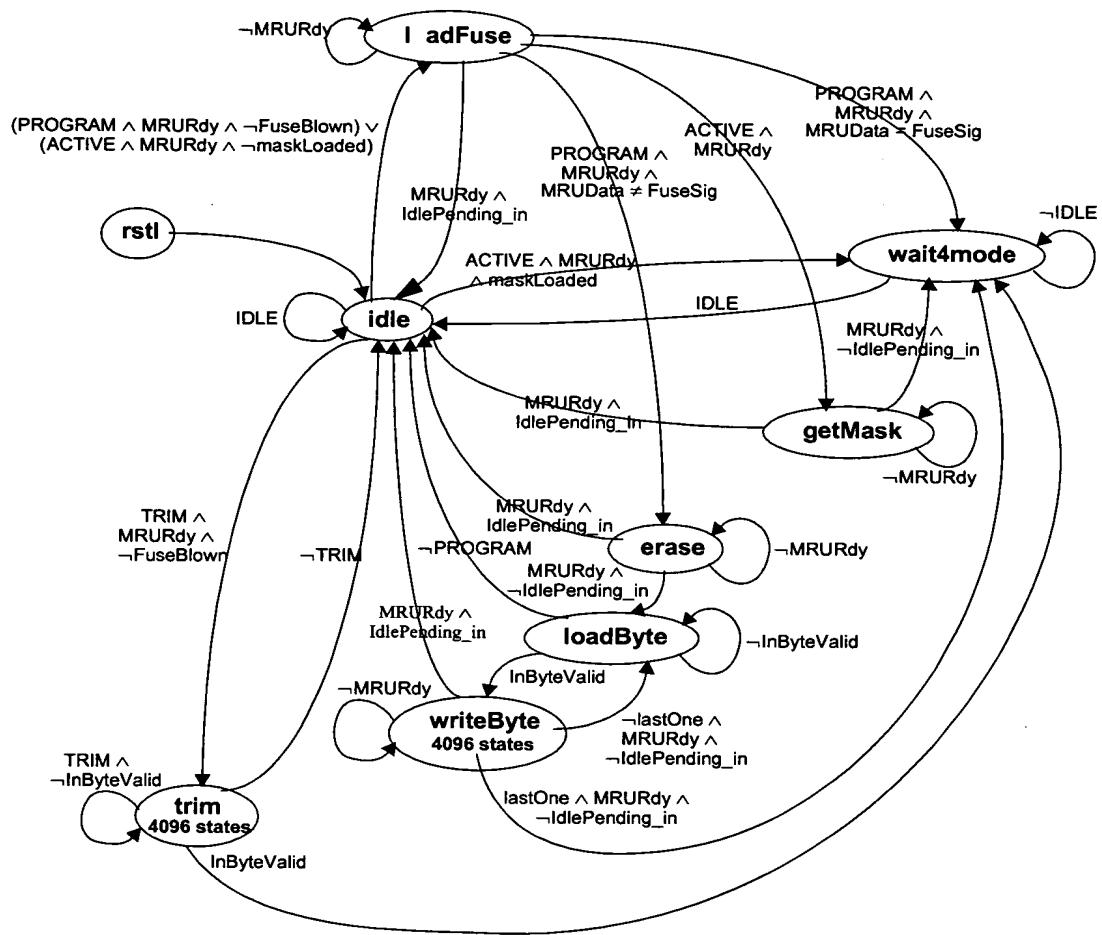


FIG. 407

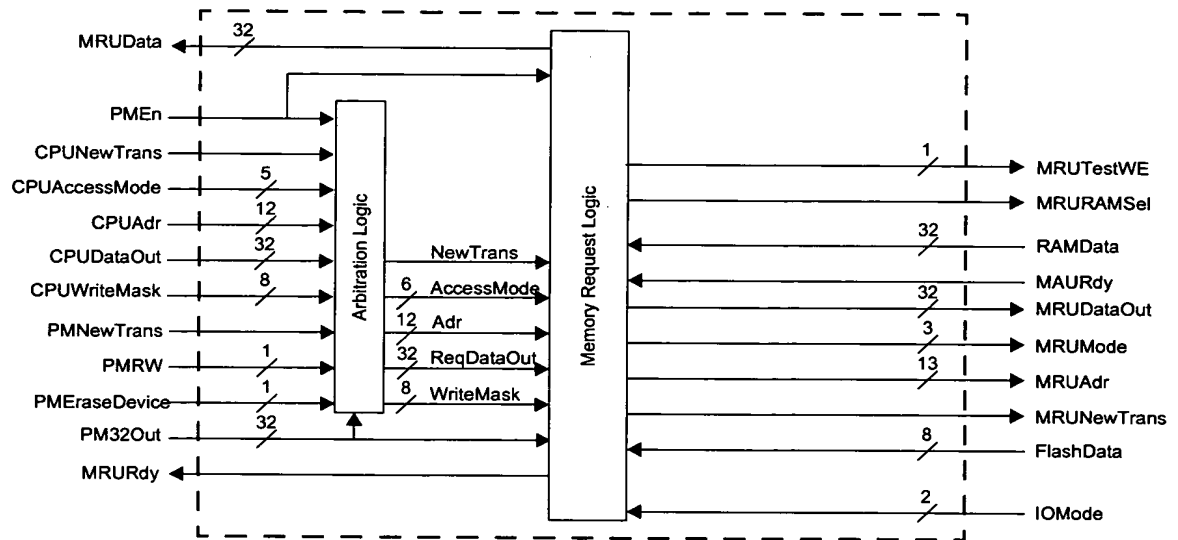


FIG. 408

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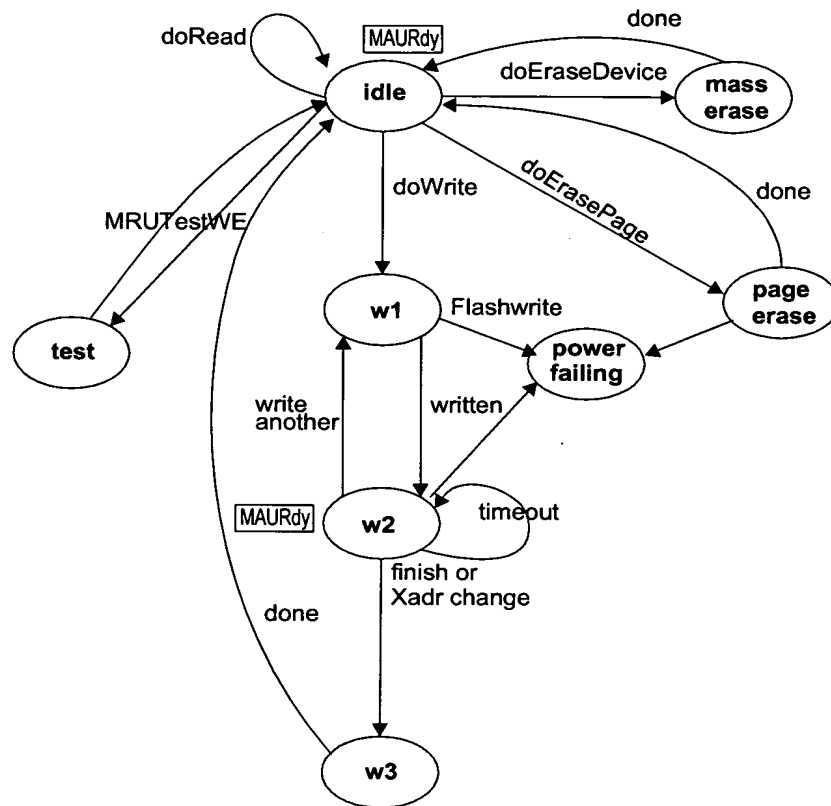


FIG. 409

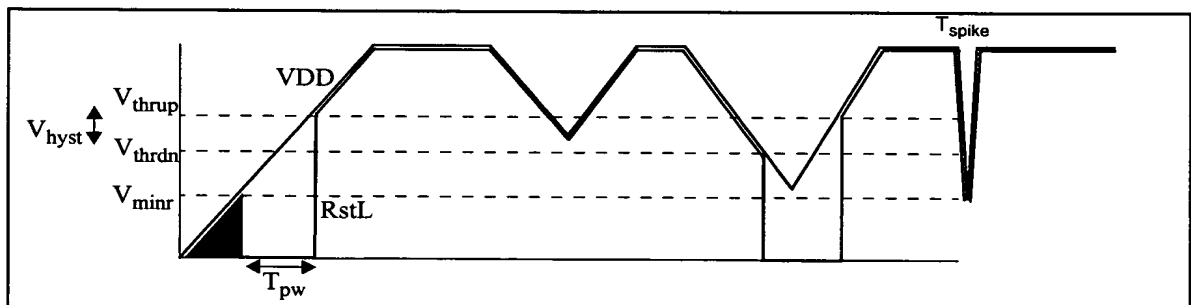


FIG. 410

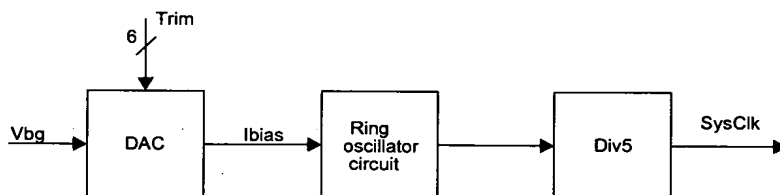


FIG. 411

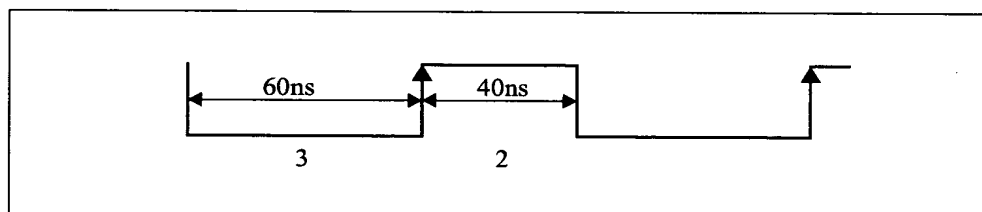


FIG. 412

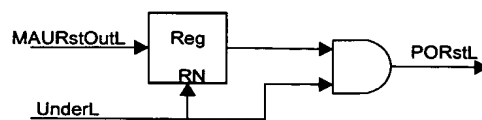


FIG. 413